

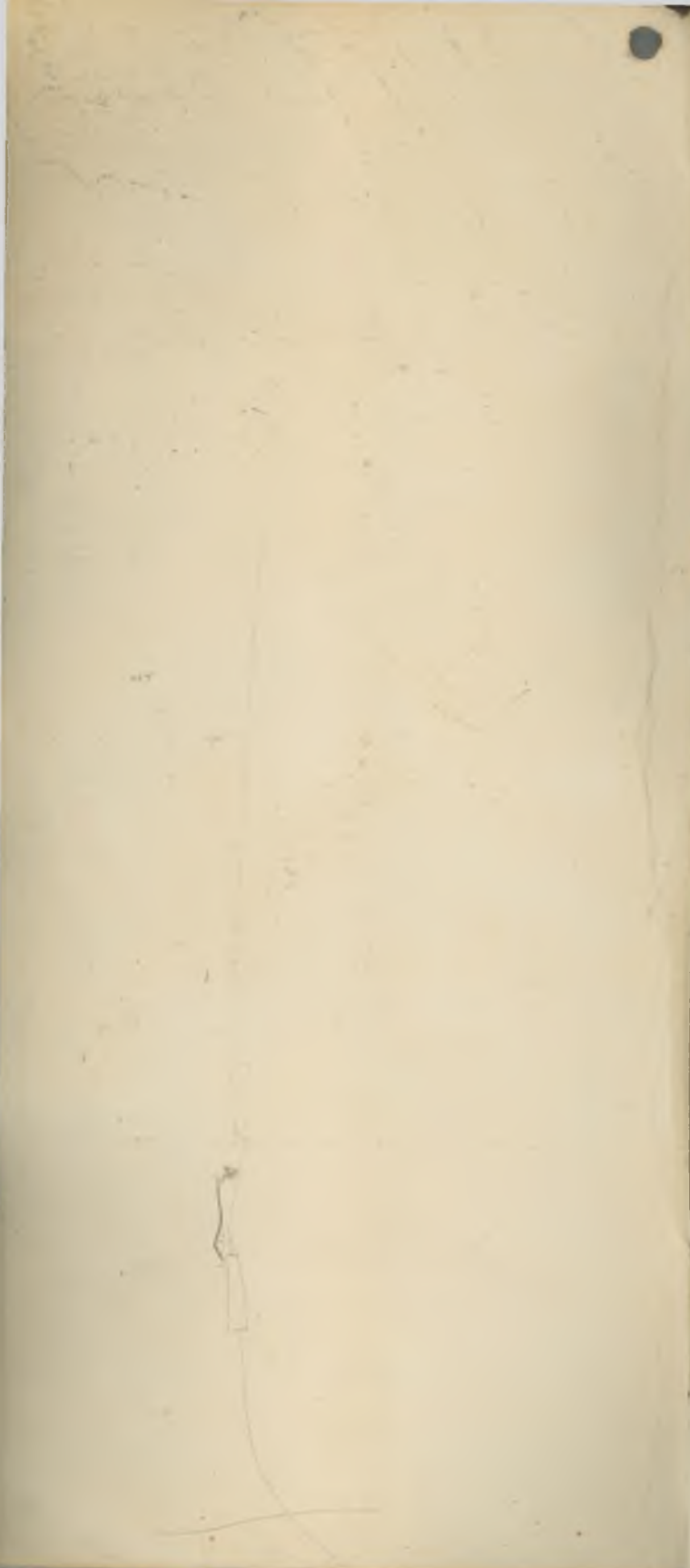
Verbrand

Since 1881.



**TOOLS of
QUALITY**

CATALOG
No. 52-M



58 YEARS OF CRAFTSMANSHIP IS REFLECTED IN HERBRAND TOOLS OF CHARACTER AND DISTINCTION •

Geared to a policy of progress since the horse and buggy days of 1881, Herbrand has constantly forged ahead to a position of leadership in the tool industry. Fifty-eight years of intelligent service and research have provided a background of creative knowledge that is reflected in the high standard of quality found in Herbrand tools today. Predominant in revolutionary design and new development, they set the pace because they excel in performance, utility, balance, strength and raise the efficiency of the mechanic to the highest degree. In tools today, performance is vital.

The time-tested mark of distinction "Herbrand" or "Van-Chrome" on any tool is your unqualified guarantee against faulty material or workmanship and positive assurance that they will give unfailing service on the work for which they are designed.

There is a jobber near you who stocks "Van-Chrome" Tools. Have him show you this comprehensive line, which is the broadest for today's needs at prices commensurate with present-day conditions.



THE HERBRAND GUARANTEE

The name Herbrand or "Van-Chrome" on any tool constitutes your unqualified guarantee against defects in both workmanship and materials. This is positive assurance that they will do the job for which they are built, without spreading or breaking. Free replacements will be made on any tools that may prove defective. This guarantee is void if inspection shows that the tools have been abused, ground, heated, subjected to hammering or unreasonable leverage.

HERBRAND TOOLS ARE MADE IN CANADA

SECO SALES and SERVICE, LTD.

90 Sherbourne St.

Toronto, Ontario

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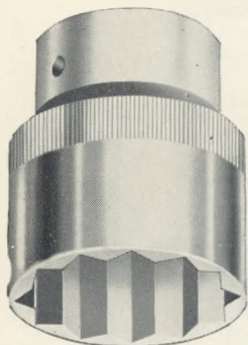
Printed in Canada

Quick Reference Index of Herbrand Tools

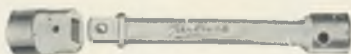
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"Van-Chrome" Hot Forged Sockets, Handles and Attachments



Herbrand employs a positive ball and spring lock-on feature. Sockets are drilled to easily engage the friction ball on the handle units when lined up with the hole. This method holds sockets firmly, yet they release readily without the aid of a special tool.



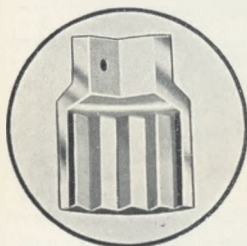
THE MODERN HOT FORGED SOCKET WITH POSITIVE LOCK - ON FEATURE

Hot forging insures clean, extra thin, straight side walls and super-strength—no chatter marks, no tears, no chips. They are structurally better, lighter in weight and have increased utility, unbreakable strength and unrivaled performance.

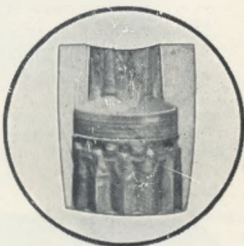
Herbrand's Hot Forging also eliminates all unnecessary bulk, and the extra thin, straight side walls banish clearance problems. The drive ends are machined down to a narrow offset shoulder which further reduces weight, bulk and clumsiness. The height of each socket is graduated according to a definite engineering formula to scientifically balance with the size of the openings. These features of modern design decrease the weight at least 30 per cent. They are heavily knurled with a non-slip grip, and the top of each socket is chamfered to readily engage the handles and all other attachments.

HERBRAND MAKES ONLY ONE GRADE OF SOCKET WRENCHES

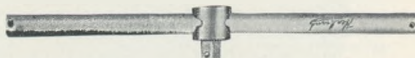
Only the best grade of Sockets and Handles give complete satisfaction. Herbrand does not mislead or confuse the trade by offering different or inferior grades. Look for the trade name Herbrand "Van-Chrome," which stands for Socket Wrench perfection.



Actual photographic comparison—
Hot Forged
with
cold broached
socket.



Flexible Offset Handle—perfectly balanced—light weight—square drive hole in handle for use as an extension—broached to fit any standard units—cross drilled for sliding bar to make T or L wrenches—drive tip holds firm at any desired angle.



Extensions — forged solid, square opening in heads, drilled for T bar. Shoulder on drive acts as socket stop.

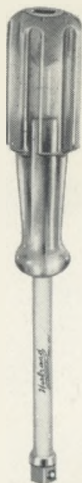
Forged head of the Sliding T Handle adjusts flush to ends, forming a perfect offset wrench. A friction ball holds the head firmly at any point.



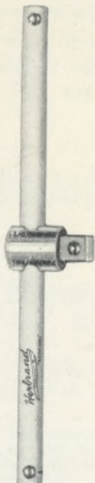
M-606 to 614



M-808 to 810



M-20



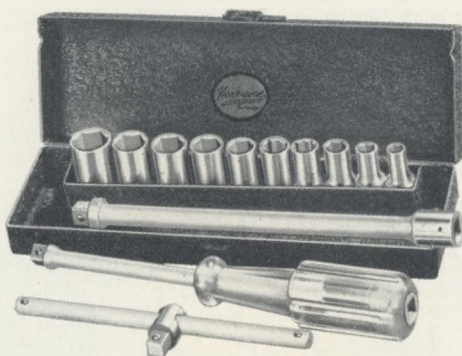
M-21



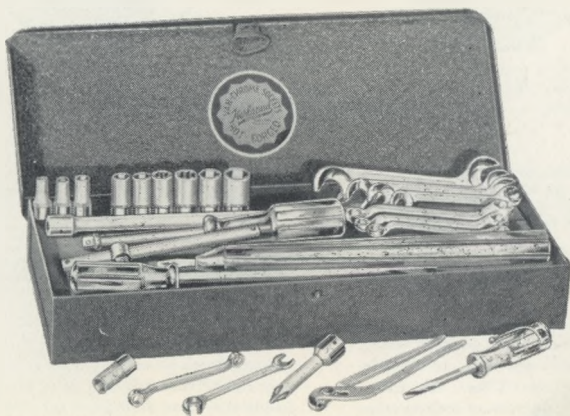
M-22



M-45



Set No. MA. 50 1/2



Set No. MA. 55 1/2

"Van-Chrome" Midget Series Sockets, Handles and Attachments

$\frac{1}{4}$ " Square Drive—Thin Straight Walls

Hot Forged from Chrome Molybdenum Steel

These Mighty Midgets are *Hot Forged* (not broached), assuring smooth, clean-cut openings for fine adjustments and extreme accuracy. They are the most modern design for small nuts in close quarters on magnetos, generators, carburetors, radios, refrigerators, airplanes, wiring connections, etc. Each Socket is chamfered, knurled and drilled for lock-on feature. Nickel plated with polished sidewalls.

6-Point Sockets

Number	Opening	Height	Wgt. Doz. Ozs.	Net Each
M-606	$\frac{3}{16}$	1	5	\$.40
M-607	$\frac{7}{32}$	1	5	.40
M-608	$\frac{1}{4}$	1	6	.40
M-609	$\frac{9}{32}$	1	6	.40
M-610	$\frac{5}{16}$	1	6	.40
M-611	$1\frac{1}{32}$	1	8	.40
M-612	$\frac{3}{8}$	1	10	.40
M-614	$\frac{7}{16}$	1	12	.40

8-Point Sockets

M-808	$\frac{1}{2}$	1	6	\$.40
M-810	$\frac{9}{16}$	1	8	.40

Midget Handles and Attachments

No.	Description	Net Each
M-20	SPINNER HANDLE. Pyralin-insulated grip. Featured by a $\frac{1}{4}$ " square drive hole in the handle end for use with the Sliding T or other attachments. Shank 3". Overall length 6". Weight 2 ozs.....	\$1.09
M-21	SLIDING T HANDLE. The forged head slides flush to either end and is firmly held at any desired point on bar by a friction ball. Length $4\frac{1}{2}$ " Weight 1 oz.	.75
M-22	EXTENSION. 4" long. Weight 1 oz.....	.49
M-45	SCREW DRIVER ATTACHMENT FOR PHILLIPS HEAD SCREWS. $\frac{1}{4}$ " square drive. Length 2". Fits No. 2 Phillips screw points. Weight 1 oz.....	.94

Midget Socket Set No. MA-50 $\frac{1}{2}$

Takes care of any of the numerous small nuts on automotive, electrical and other equipment.

Contents, total of 13 pieces:—10 Sockets listed above; Handles M-20, M-21 and M-22.

SET NO. MA-50, in bulk. Weight 12 ozs.

NET PRICE, complete.....\$6.00

SET NO. MA-50 $\frac{1}{2}$, in fitted metal box. Weight 15 ozs.

NET PRICE, complete..... 6.37

Midget Socket and Tool Set No. MA-55 $\frac{1}{2}$

There is no equal for this compact, complete Set of Miniature Tools. Its use is very wide, not only for automotive mechanics and electricians, but for service work on radios, typewriters, office machines, movie equipment, sewing machines, meter repairs, etc.

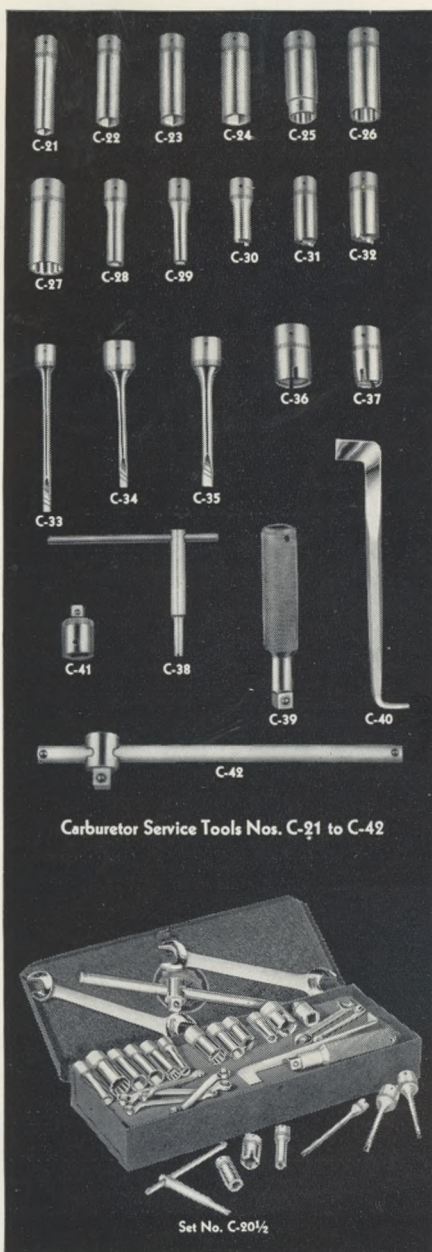
Contents, total of 27 Electrical and Ignition Tools:—10 Hot Forged $\frac{1}{4}$ " Drive Sockets listed in the above table; 4 Midget Handles and Attachments Nos. M-20, M-21, M-22 and M-45; 4 Midget Box Wrenches shown on page 4; 5 Miniature Open End Wrenches Nos. 81, 83, 85, 87 and 89 described on page 38; No. 167 Ignition Plier; 3 Shockproof Handle Screw Drivers, Nos. 310-2", 311A-6", 309- $\frac{3}{4}$ " blade.

SET NO. MA-55, in bulk. Weight 1 lb. 6 ozs.

NET PRICE, complete.....\$15.68

SET NO. MA-55 $\frac{1}{2}$, in fitted metal box. Weight 3 lbs.

NET PRICE, complete..... 16.45



Carburetor Service Tools Nos. C-21 to C-42

Carburetor Service Set No. C-20 1/2

Contents, total of 30 pieces:—The 22 Specialized Carburetor Service Tools listed above; 4 Midget Box Wrenches shown on page 8; 2 Miniature End Wrenches Nos. 84 and 85 listed on page 32; 2 Open End Wrenches Nos. 1723 and 1729.

SET NO. C-20, in bulk. Weight 3 lbs.

NET PRICE, complete.....\$20.65

SET NO. C-20 1/2, in fitted metal box. Weight 5 lbs. 12 ozs.

NET PRICE, complete..... 21.00

"Van-Chrome" Carburetor Sockets and Service Tools

$\frac{1}{4}$ " and $\frac{3}{8}$ " Square Drive—Thin Walls

Chrome Molybdenum Steel

Herbrand's new Carburetor Tools now open a new and profitable service field for mechanics and service stations. Long and concentrated research has dictated just the right units for the commonly used Carter and Stromberg carburetors, although these special tools are universal in application. Necessary items for carburetor disassembly, assembly and general tune-up work are included. Sockets are equipped with lock-on feature. Openings are chamfered. Sockets are knurled, plated and polished.

No.	Description	Net Each
C-21	$\frac{5}{16}$ " opening, 6-point Socket for brass bowl and BB downdraft. 2" overall. $\frac{1}{4}$ " drive. Weight 1 oz....	\$.53
C-22	$\frac{3}{8}$ " opening, 6-point Socket for W-1 and dual downdraft. 2" overall. $\frac{1}{4}$ " drive. Weight 1 oz.....	.53
C-23	$\frac{13}{32}$ " opening, 6-point Socket for downdraft carburetors, used on needle valve seats. 2" overall. $\frac{1}{4}$ " drive. Weight 1 oz.....	.60
C-24	$\frac{15}{32}$ " opening, 6-point Socket for check valve in Stromberg carburetors. $\frac{1}{4}$ " drive. 2" high. Weight 1 oz.	.83
C-25	$\frac{7}{16}$ " opening, 12-point Socket for BB downdraft. 2" overall. $\frac{3}{8}$ " drive. Weight 1 oz.....	.60
C-26	$\frac{1}{2}$ " opening, 12-point Socket for BB downdraft and BB updraft. 2" overall. $\frac{3}{8}$ " drive. Weight 1½ ozs.	.60
C-27	$\frac{9}{16}$ " opening, 12-point Socket for BB downdraft carburetor. 2" overall. $\frac{3}{8}$ " drive. Weight 2 ozs.....	.68
C-28	Stromberg Carburetor Jet Socket. 2" overall. $\frac{1}{4}$ " drive. Weight 1 oz.....	.68
C-29	Stromberg Carburetor Jet Socket. 2" overall. $\frac{1}{4}$ " drive. Weight 1 oz.....	.68
C-30	Screw Driver Socket for float needle valve seats and high-speed metering jets in Stromberg and Carter carburetors. $\frac{1}{4}$ " drive. 1½" high. Weight 1 oz...	.53
C-31	Screw Driver Socket for multiple jet on Carter carburetor. $\frac{1}{4}$ " drive. 1½" high. Weight 1 oz.....	.60
C-32	Screw Driver Socket for step-up piston downdraft carburetors. $\frac{1}{4}$ " drive. 1½" high. Weight 1 oz...	.60
C-33	Carter Pump Discharge Nozzle Screw Driver. $\frac{3}{16}$ " blade. $\frac{1}{4}$ " drive. 3¼" long. Weight ½ oz.....	.94
C-34	Screw Driver Socket. $\frac{1}{4}$ " blade. $\frac{1}{4}$ " drive. 3¼" long. Weight 1 oz.....	.94
C-35	Screw Driver Socket. $\frac{5}{16}$ " blade. $\frac{1}{4}$ " drive. 3¼" long. Weight 1 oz.....	.94
C-36	Retainer Ring Insertor for BB downdraft carburetor. $\frac{3}{8}$ " drive. Height 1¼". Weight 2 ozs.....	.75
C-37	Retainer Ring Insertor for BB downdraft carburetor. $\frac{3}{8}$ " drive. 1¼" high. Weight 1 oz.....	.75
C-38	Main Vent Tube Tool. 2¾" long. Weight 1 oz....	1.35
C-39	Spinner Handle. 5" long. Weight 6 ozs.....	1.05
C-40	Offset Driver for pulling plugs from bottom of Stromberg carburetors. Weight 2 ozs.....	.68
C-41	$\frac{3}{8}$ " to $\frac{1}{4}$ " Male Adaptor. Weight 1 oz.....	.53
C-42	$\frac{3}{8}$ " Sliding T. 6" long. Weight 5 ozs.....	1.35



J-612 to J-624



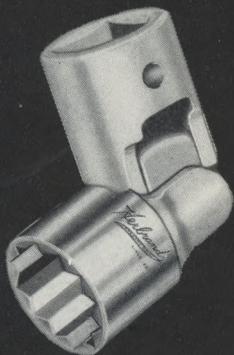
J-212 to J-216



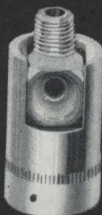
J-112 to J-124



J-414 to J-424



J-312 to J-324



J-714 to J-718



J-39



J-37



J-41



J-45 to J-47

Junior Series Sockets

EXTRA THIN STRAIGHT WALLS

$\frac{3}{8}$ " SQUARE DRIVE

Small—Slender—Straight—Thin-walled—yet mighty in power of performance, because extra strength is *Hot Forged* into them. Advanced features of design provide unequalled advantages of maximum speed and utility and get into tight places where others fail. Heat treated, knurled and equipped with positive lock-on feature. The top of each socket is chamfered to readily engage the handle units. Triple satin nickel with mirror polished side walls.

WEATHERHEAD SOCKETS FOR ELBOW-SHAPED FITTINGS

Number	Opening	Height	Dealer Net Each
J-714	$\frac{7}{16}$ Special	$1\frac{1}{4}$	\$.60
J-716	$\frac{1}{2}$ Special	$1\frac{1}{4}$	.68
J-718	$\frac{9}{16}$ Special	$1\frac{1}{4}$	.75

JUNIOR SCREW DRIVER BITS FOR PHILLIPS HEAD SCREWS

J-45	No. 2 Point	$2\frac{5}{8}$	\$1.13
J-46	No. 3 Point	$2\frac{5}{8}$	1.13
J-47	No. 4 Point	$2\frac{5}{8}$	1.13

12-POINT (HEXAGON) SOCKETS

J-112	$\frac{3}{8}$	$1\frac{5}{16}$	\$.52
J-114	$\frac{7}{16}$	$1\frac{5}{16}$	.52
J-116	$\frac{1}{2}$	$1\frac{5}{16}$	.52
J-118	$\frac{9}{16}$	$1\frac{5}{16}$	.52
J-120	$\frac{5}{8}$	$1\frac{1}{2}$	.52
J-122	$1\frac{1}{16}$	$1\frac{1}{2}$	.60
J-124	$\frac{3}{4}$	$1\frac{3}{32}$	.60

6-POINT (HEXAGON) SOCKETS

J-612	$\frac{3}{8}$	$1\frac{5}{16}$	\$.52
J-614	$\frac{7}{16}$	$1\frac{5}{16}$	.52
J-615	$1\frac{5}{16}$	$1\frac{5}{16}$	.52
J-616	$\frac{1}{2}$	$1\frac{5}{16}$	.52
J-618	$\frac{9}{16}$	$1\frac{5}{16}$	.52
J-620	$\frac{5}{8}$	$1\frac{1}{2}$	.52
J-622	$1\frac{1}{16}$	$1\frac{1}{2}$	.60
J-624	$\frac{3}{4}$	$1\frac{3}{32}$	.60

8-POINT (SQUARE) SOCKETS

J-212	$\frac{3}{8}$	$1\frac{1}{32}$	\$.52
J-214	$\frac{7}{16}$	$1\frac{1}{32}$	.52
J-216	$\frac{1}{2}$	$1\frac{1}{32}$	.52

FLEXIBLE 12-POINT SOCKETS

12-Point sockets and universal joints combined. Turn in a short radius and swing over to 90° angle. Short coupled.

J-312	$\frac{3}{8}$	$1\frac{3}{4}$	\$2.18
J-314	$\frac{7}{16}$	$1\frac{7}{8}$	2.18
J-316	$\frac{1}{2}$	$1\frac{7}{8}$	2.18
J-318	$\frac{9}{16}$	$1\frac{7}{8}$	2.18
J-320	$\frac{5}{8}$	$1\frac{7}{8}$	2.18
J-322	$1\frac{1}{16}$	$1\frac{15}{16}$	2.18
J-324	$\frac{3}{4}$	2	2.18

EXTRA DEEP 12-POINT SOCKETS

For easy work on running boards, body and fender bolts.

J-414	$\frac{7}{16}$	2	\$.75
J-416	$\frac{1}{2}$	2	.75
*J-418	$\frac{9}{16}$	2	.79
J-420	$\frac{5}{8}$	2	.86
†J-422	$1\frac{1}{16}$	2	.90
J-424	$\frac{3}{4}$	2	.90

*Fits AC 10MM Plugs. †Fits Champion 10MM Plugs.

EXTRA DEEP 8-POINT SOCKET

For Chevrolet running-board work.

J-514	$\frac{7}{16}$	2	\$.75
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SPECIAL 6-POINT PAN SOCKET

J-616	$\frac{1}{2}$	$1\frac{1}{16}$	\$.41
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SCREW DRIVER SOCKET $\frac{5}{16}$ " BIT

J-37	..	$3\frac{1}{2}$	\$.82
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DRAG LINK SOCKET

For steering-gear work, shock absorbers, etc.; $1\frac{1}{8}$ " bit.

J-39	..	$1\frac{1}{8}$	\$.81
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CHEVROLET OIL PAN FLEXIBLE SCREW DRIVER

See page 71 for illustration.

J-41	..	2	\$1.50
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J-10



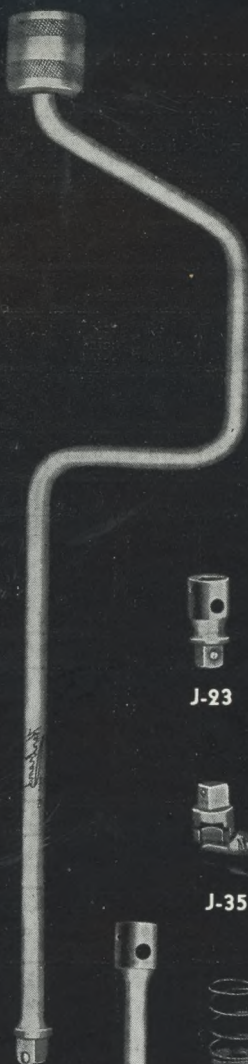
J-27



J-21



J-13



J-17



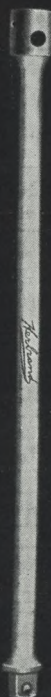
J-23



J-35



J-36



J-29



J-33

Junior Series Handles and Attachments

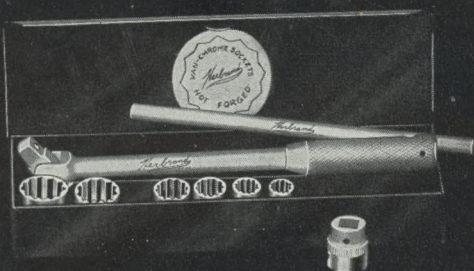
EXTRA STRONG AND RIGID

$\frac{3}{8}$ " SQUARE DRIVE

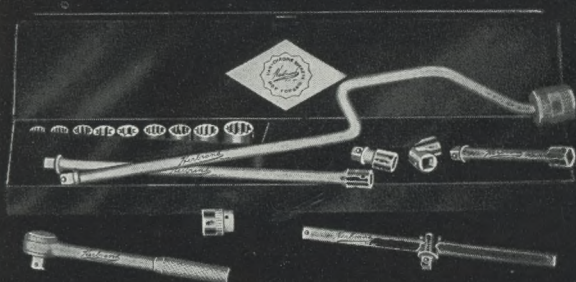
Drop Forged from Chrome Molybdenum Steel

"Van-Chrome" Handles are correctly designed and proportioned to deliver the utmost speed and ease of handling. All unnecessary weight and clumsiness are eliminated. Comfortable grips contribute to their efficiency and careful heat treatment imparts extra strength and rigidity. Finished in triple satin nickel with polished ends and faces. Equipped with friction balls to firmly engage the sockets and eliminate the danger of having them drop off in tight places. The comprehensive selection meets every known need.

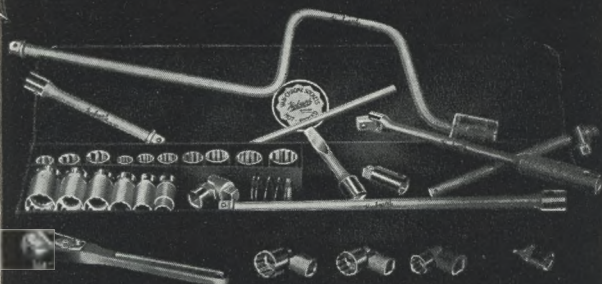
No.	Description	Each
J-10	JUNIOR REVERSIBLE RATCHET OF EXCLUSIVE HERBRAND DESIGN. Positive thumb control, instantly reversible to operate the twentieth of a turn either right or left. No delicate or complicated parts to cause grief; designed to operate in close, cramped quarters. Solid drop forged handle. Amazingly strong. Length $6\frac{5}{8}$ ". Weight 8 ozs.....	\$3.70
-13	FLEXIBLE OFFSET HANDLE. A flex handle, a swivel handle, an offset handle, a T handle and a nut spinner all in one. Perfectly balanced with a compact swivel joint on a comfortable grip, knurled handle. A friction ball holds the drive tip firmly at any angle. The handle is cross drilled to insert a T bar when needed and is featured with a square drive hole in the end for use with other attachments. Length $8\frac{3}{8}$ ". Weight $7\frac{1}{2}$ ozs.....	2.40
J-17	SPEEDER HANDLE. Forged solid. Light and slim, designed for extra speed and more clearance. Has a special knurled revolving handle for perfect grip. Length 17". Weight 1 lb. 1 oz.....	1.65
J-18	LONG SPEEDER HANDLE. 30" long, for extra reach and clearance.....	2.06
J-21	SLIDING T HANDLE. The forged head slides flush to the ends, making an offset wrench. A friction ball holds the head firmly at any point on the bar. Length 8". Weight 4 ozs.....	1.12
	EXTENSIONS. Forged solid and cross drilled for use with T Bar J-33. The drive end is forged with an offset shoulder which acts as a positive stop. Equipped with lock-on feature.	
J-23	EXTENSION, $1\frac{1}{2}$" long. Weight 1 oz.....	.53
J-25	EXTENSION, 3" long. Weight 0 ozs.....	.64
J-27	EXTENSION, 5" long. Weight 3 ozs.....	.83
J-29	EXTENSION, 11" long. Weight 6 ozs.....	1.15
-33	T HANDLE BAR. Used to form a T with all Herbrand Handles which are cross drilled for this purpose. Length $6\frac{1}{2}$ ". Weight 1 oz.....	.22
J-35	UNIVERSAL JOINT. Improved, short coupled, positive locking; facilitates adjustments in inaccessible places. Reaches where other universals fail. Weight 2 ozs.....	2.10
J-36	SPRING STABILIZER. Slides over universal joint and flexible 12-point sockets for conversion into a flexible knuckle.....	.15



JUNIOR SERIES FLEX SET No. JA-60 $\frac{1}{2}$



JUNIOR SERIES SOCKET SET No. JA-61 $\frac{1}{2}$



JUNIOR SERIES SOCKET SET No. JA-62 $\frac{1}{2}$

JUNIOR SERVICE "VAN CHROME" SOCKET SETS 3/8" SQUARE DRIVE

The Herbrand "Van-Chrome" Socket Wrench combinations offer a wide and comprehensive selection of improved *Hot Forged* Sockets and Handle Attachments in the Junior 3/8" Drive Series, the Standard 1/2" Drive Series and the Heavy Duty with 3/4" Drive Service Connections. Complete Socket Wrench Sets may be easily, quickly and inexpensively built to suit individual requirements.

JUNIOR FLEX SET NO. JA-60 1/2

This set contains seven *Hot Forged* 12-point sockets with 3/8" drive connections and the popular Junior Flex Handle, which is always referred to as the handiest tool in the mechanics kit. The Junior T Handle Bar No. J-33 is also included for use with the Flex Handle, which is cross drilled for this purpose.

Contents, total of 9 pieces:—7 "Van-Chrome" 12-point Junior Sockets, Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, providing a range of opening sizes from 1/8" to 3/4" inclusive; Junior Flexible Handle No. J-13; T Handle Bar No. J-33.

SET NO. JA-60, in bulk. Weight 1 lb.

DEALER NET PRICE.....\$5.70

SET NO. JA-60 1/2, in metal box. Weight 1 lb. 14 ozs.

DEALER NET PRICE.....\$6.25

JUNIOR SOCKET SET NO. JA-61 1/2

A comprehensive set of Junior 3/8" Drive Series Sockets that is ideal for handling all types of light work in confined places. Garages and service stations will find this set indispensable and a big time and labor saver. It also covers a wide range of service in aviation work. Herbrand *Hot Forged* Sockets and Attachments are designed to attack the flat rate problem and lick it in less than flat rate time. There is ample room in the convenient metal box for additional "Van-Chrome" units, which may be added as required at a small cost.

Contents, total of 17 pieces:—7 "Van-Chrome" 12-point Junior Sockets, Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, providing a range of opening sizes from 3/8" to 3/4" inclusive; 3 "Van-Chrome" 8-point Junior Sockets, Nos. J-212, J-214, J-216, with openings of 3/8", 1/2", 5/8"; Improved Junior Reversible Ratchet No. J-10; 17" Speeder No. J-17; Universal Joint No. J-35; Sliding T Handle No. J-21; 3 Extensions: J-23, 1" long; J-27, 5" long; J-29, 11" long.

SET NO. JA-61, in bulk. Weight 3 lbs. 6 ozs.

DEALER NET PRICE.....\$13.85

SET NO. JA-61 1/2, in metal box. Weight 5 lbs. 8 ozs.

DEALER NET PRICE.....\$14.55

JUNIOR SERIES SOCKET SET NO. JA-62 1/2

A comprehensive, carefully selected assortment of Junior 3/8" Drive Sockets, Handles and Attachments indispensable to the mechanic. Its broad range of service covers the wide variety of small nuts, regardless of location, which are daily encountered on motors, airplanes, refrigerators, radios, electrical devices and automobiles. The substantial, heavy gauge steel box is conveniently constructed to make any tool readily accessible, and there is plenty of space for adding additional units.

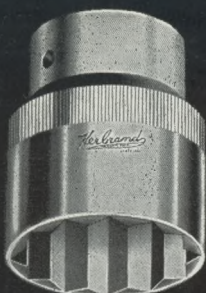
Contents, total of 31 pieces:—7 "Van-Chrome" 12-point Junior Sockets, Nos. J-112, J-114, J-116, J-118, J-120, J-122 and J-124, with a range of openings from 3/8" to 3/4" inclusive; 3 "Van-Chrome" 8-point Junior Sockets, Nos. J-212, J-214 and J-216, with openings of 3/8", 1/2" and 5/8"; 3 flexible 12-point Sockets, Nos. J-316, J-318 and J-320, which carry openings of 1/2", 5/8" and 3/4"; 6 extra deep 12-point Sockets, Nos. J-414 to J-424 inclusive, which provide openings from 1/4" to 3/4"; Reversible Ratchet No. J-10; Flex Handle No. J-13; Speed Handle No. J-17; Sliding T No. J-21; 1 1/2" Extension No. J-23; 5" Extension No. J-27; 11" Extension No. J-29; T Handle Bar No. J-33; Universal Joint No. J-35; Spring Stabilizer No. J-36; Screw Driver Socket No. J-37; Drag Link Socket No. J-39. These Sockets and Attachments are described on pages 8 and 9.

SET NO. JA-62, in bulk. Weight 6 lbs.

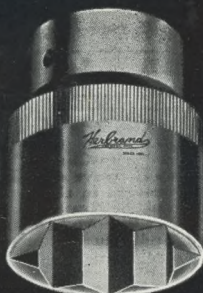
DEALER NET PRICE.....\$30.20

SET NO. JA-62 1/2, in metal box. Weight 8 lbs.

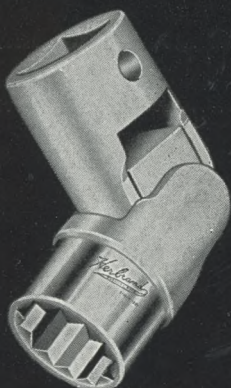
DEALER NET PRICE.....\$31.50



S-112 To S-140



S-212 To S-228



S-316 To S-324



DS-16 To DS-36



S-41



A-390 To A-395



S-37

"VAN-CHROME" STANDARD SERIES SOCKETS

1/2" Square Drive—Extra Thin Straight Walls

Hot Forged from Chrome Molybdenum Steel

All excess weight and clumsiness have been eliminated. Every Socket individually Hot Forged, which insures precision, accuracy, greater strength, durability and compactness, adapting them to faster performance. The height of each socket is graduated to a definite engineering formula to balance with the opening size, and they are heavily knurled for a non-slip grip. All Standard Sockets are equipped with lock-on feature, which firmly locks the sockets to the handles but releases easily. These sockets are extra powered by scientific heat treatment and finished in triple satin nickel with polished walls.

12-POINT SOCKETS			8-POINT SOCKETS		
Cat. No.	Openings	Dealer Net Ea.	Cat. No.	Openings	Dealer Net Ea.
S-112	3/8	.60	S-212	3/8	.60
S-114	7/16	.60	S-214	7/16	.60
S-116	1/2	.60	S-216	1/2	.60
*S-117	17/32	.60	S-218	9/16	.64
S-118	9/16	.60	S-220	5/8	.64
†S-118V	9/16	.71	S-224	3/4	.79
S-119	19/32	.60	S-228	7/8	.86
S-120	1 1/8	.68	HEXAGON 6-POINT SOCKETS		
†S-121	1 1/8	.68			
§S-122	1 1/8	.70			
†S-123	21/32	.70			
||S-124	3/4	.80			
S-125	25/32	.80	S-616	1/2	.60
S-126	1 1/8	.85	S-618	9/16	.60
S-128	1 1/8	.83	S-620	5/8	.68
*S-129	29/32	.83	S-622	11/16	.68
S-130	1 5/16	.90	S-624	3/4	.80
S-131	1 5/16	.90	FLEXIBLE 12-POINT SOCKETS		
S-132	1	.98			
S-134	1 1/16	1.05			
S-136	1 1/8	1.20			
S-138	1 3/16	1.30			
S-140	1 1/4	1.39			

*S-117 Special 6-point Chevrolet Conn. Rod Socket.

†S-118V Special for Ford V-8 Conn. Rod Nuts.

†S-121 For Ford A and B Conn. Rod Bearing Cap Nuts.

§S-122 For Chevrolet Center and Rear Main Bearing Cap Screws.

†S-123 6-point for Chev. Front Main Bearing Screws, 1933-1934.

||S-124 Fits Rear Main Bearings on V-8 and all Ford Models.

*S-129 Shackle Bolt Socket for Plymouth, Chrysler and Dodge.

"VAN-CHROME" WHITWORTH AND METRIC SOCKETS

Herbrand Sockets in 1/2" square drive are also available in a full range of Metric and Whitworth sizes. Prices, etc., furnished on request.

EXTRA DEEP SOCKET AND SPARK PLUG WRENCHES

3/8" Square Drive—12-Point Openings

In addition to fitting all spark plugs these Extra Deep Sockets are invaluable for work on body bolts, spring clips and many other places where an extra long reach is necessary.

The side walls are straight and thin for clearance, and the 12-point openings are smooth and deep, insuring an accurate, positive fit. Knurled and finished in satin nickel with heads polished. Recessed spark plugs make these Sockets an absolute necessity.

Socket No.	Openings	Length	Dealer Net Each	Socket No.	Openings	Length	Dealer Net Each
DS-16	1/2	3	\$1.09	DS-28	7/8	3 1/4	\$1.35
DS-18	9/16	3	1.09	†DS-28B	5 1/64	3 1/4	1.35
DS-20	5/8	3	1.15	DS-30	1 5/16	3 1/4	1.42
*DS-22	1 1/16	3	1.15	§DS-32	1	3 1/4	1.50
DS-24	3/4	3	1.15	DS-34	1 1/8	3 1/4	1.61
†DS-26	1 1/8	3	1.15	†DS-36	1 1/8	3 1/4	1.72

†Fits 14 M.M. Plugs and all Chevrolets, 1933 to 1935.

*For Body Work.

†Extra Thin for Buick.

§Fits 18 M.M. Plug, also V-8.

†For Ford A and 1932 V-8.

DRAG LINK AND SCREW DRIVER SOCKETS

S-37—DRAG LINK SOCKET, 3/8" Blade.....\$.94

S-39—DRAG LINK SOCKET 1" Blade..... .94

S-41—SCREW DRIVER SOCKET, 3 1/2" long. Width of bit 3/8".

For use with Ratchet, Speed Handle or any Standard Unit... .90

STANDARD SCREW DRIVER BITS FOR PHILLIPS HEAD SCREWS

S-45—BIT. For No. 2 Point. 3" long.....\$1.30

S-46—BIT. For No. 3 Point. 3" long..... 1.30

S-47—BIT. For No. 4 Point. 3" long..... 1.30

SOCKET ADAPTORS

These adaptors increase the range of your handles and permit the use of sockets of one series with handles of another series.

A-390—1/2" male, 1/2" female.....\$.86

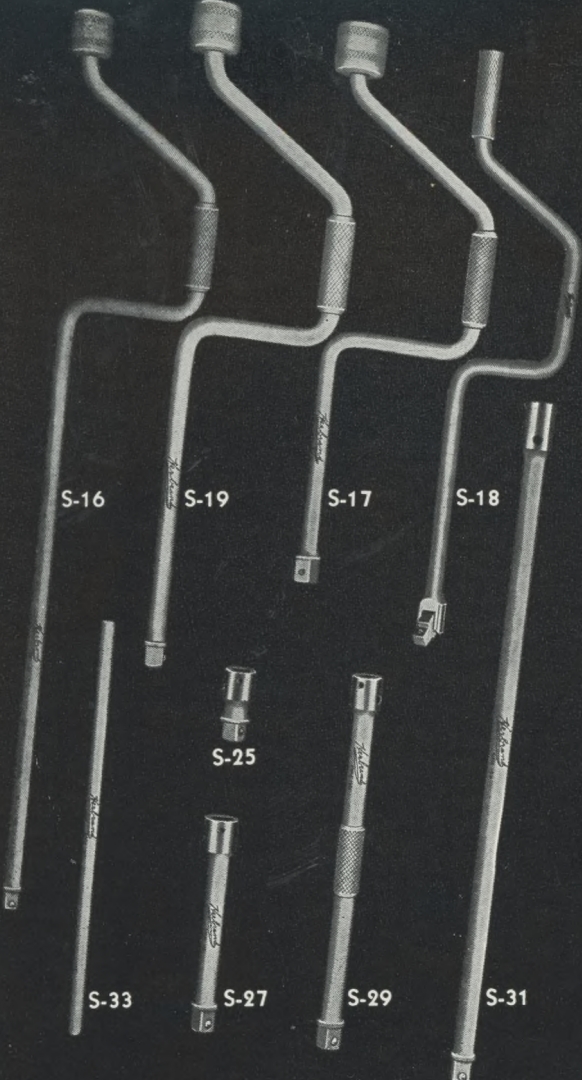
A-391—1/2" male, 3/8" female..... .86

A-392—1/2" male, 5/8" female..... .86

A-393—1/2" male, 3/4" female..... 1.20

A-394—1/2" male, 1/2" female..... 1.20

A-395—1/2" male, 3/8" female..... 1.28



STANDARD SERIES HANDLES AND ATTACHMENTS EXTRA STRONG AND RIGID

$\frac{3}{8}$ " Square Drive

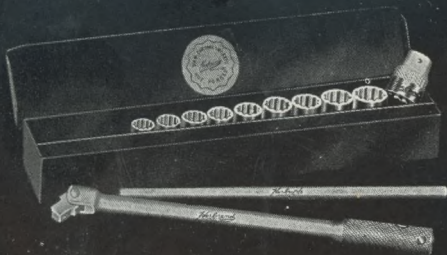
Forged from Chrome Molybdenum Steel

With these versatile and better designed Herbrand Socket Handles and Attachments it's easy to make any combinations desired. The comprehensive selection meets every known need. "Van-Chrome" Handles are lighter in weight than the ordinary types, which increases efficiency. Elimination of bulk and clumsiness enables them to get into those tough spots, and they are easier to handle. Individual one-piece forging from the best select Chrome Steel and scientific heat treatment imparts rigidity and power that can't be equalled.

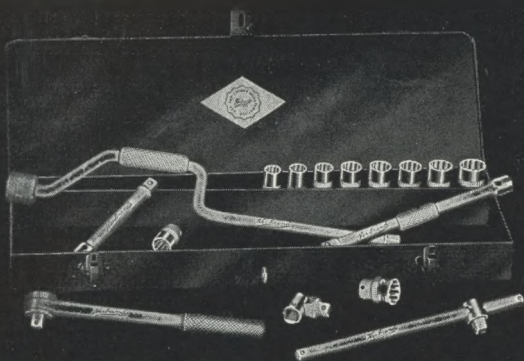
All "Van-Chrome" Handles and Attachments are equipped with Herbrand's well-known and distinctive lock-on feature. This is your assurance that the sockets "stay put"—no chance of them dropping off to cause grief and loss of time.

Herbrand Socket Handles are finished in lustrous triple satin nickel: the ends and faces are polished brightly. This finish is rust resisting and will retain its lustre indefinitely.

Cat. No.	Description	Dealer Net Ea.
S-10	IMPROVED STANDARD RATCHET HANDLE, 9 $\frac{1}{8}$ " long. Instantly reversible with thumb control to operate the twenty-eighth of a turn either right or left. Designed with narrow head and slender handle for maximum accessibility. Absolutely trouble proof. Solid drop forged Chrome Vanadium handle.	\$4.30
S-13	FLEXIBLE OFFSET HANDLE, 12" long. A flex handle, a swivel handle, an offset handle, a T handle and a nut spinner all in one. Perfectly balanced with a compact swivel joint on a comfortable grip, knurled handle. A friction ball holds the drive tip firmly at any angle. The handle is cross drilled to insert T bar S-33 and has a square drive hole to fit other attachments.	2.65
S-15	FLEXIBLE OFFSET HANDLE, 18" long. Square drive hole in handle, drilled for T handle bar S-33. Has same distinctive features as S-13.	3.15
S-16	EXTRA LONG SPEEDER HANDLE, length 30". Specially built with extra long reach for getting into tough spots on present-day motors. Saves time, labor and grief. Equipped with lock-on compression ball to prevent sockets falling off. Has knurled revolving grip handles for more speed. Designed with a short sweep for maximum clearance.	2.74
S-17	SHORT SPEEDER HANDLE, 15" long. Knurled revolving grips. Gives more speed and clearance.	2.05
S-18	FLEX SPEEDER HANDLE, 16" long. Combines the advantages of a flex handle and the fast working qualities of a speeder. A spring-controlled friction ball holds the compact swivel joint at any desired angle, turning to a full 90° to tighten or break loose the most stubborn nut, then swinging to the most convenient angle for spinning on or off. Equipped with knurled revolving grip handle. A time saver on cylinder heads, main bearings, connecting rods and the like.	3.95
S-19	LONG SPEEDER HANDLE, 18" long. Herbrand Speeders are lighter in weight, but careful forging from Chrome Steel and expert heat treatment give them extra rigidity. They are balanced for fast spinning qualities.	2.43
S-21	SLIDING T HANDLE, 11" long. The forged head slides flush to the ends for use as an offset wrench, and a friction ball holds the head firmly at any point on the bar.	1.65
	EXTENSIONS. Heads forged with $\frac{3}{8}$ " square drive opening for use with other attachments. Equipped with retaining holes for positive locking. Cross drilled in head for a T handle. Have lock-on ball and spring, and forged with an offset shoulder which acts as a positive socket stop.	
S-22	SLIDING T HANDLE, 16" long.	1.95
S-25	EXTENSION, 2" long, forged solid.	.90
S-27	EXTENSION, 5" long, forged solid.	1.05
S-28	EXTENSION, 10" long, forged solid.	1.25
S-29	EXTENSION, 10" long, with swivel grip.	1.68
S-31	EXTENSION, 18" long, forged solid.	1.90
S-32	EXTENSION, 26" long, forged solid.	2.10
S-33	T HANDLE BAR, 11" long, used to form T handle with all attachments which are cross drilled for this purpose	.26
S-35	UNIVERSAL JOINT, improved, short coupled, positive locking. Facilitates adjustments in cramped places and reaches where others fail. Breaks over to full 90° angle.	2.30
S-36	SPRING STABILIZER. Slides over universal joint for conversion into a flexible knuckle.	.19



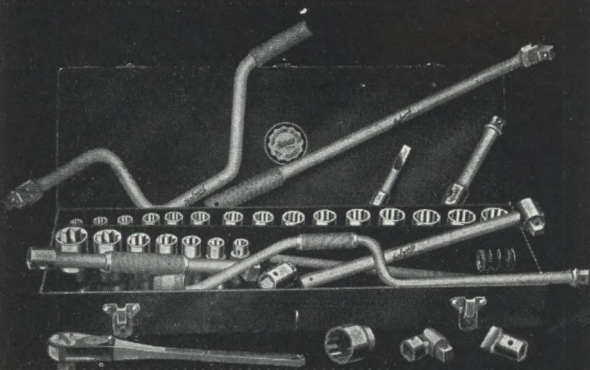
STANDARD SERIES FLEX SET No. SA-71 $\frac{1}{2}$



STANDARD SERIES SOCKET SET No. SA-72 $\frac{1}{2}$



"VAN-CHROME"
FLEX SET No. SA-73 $\frac{1}{2}$
STANDARD SERIES— $\frac{1}{2}$ " DRIVE



STANDARD SERIES SOCKET SET No. SA-74 $\frac{1}{2}$

STANDARD SERIES SOCKET ASSORTMENT NO. SA-70

A popular assortment of 16 "Van-Chrome" Hot Forged Sockets with 12-point openings and $\frac{1}{2}$ " square drive connections.

Contents:—16 twelve-point Sockets, Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{5}{8}$ "; S-119, $1\frac{1}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $1\frac{1}{8}$ "; S-122, $1\frac{1}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{5}{8}$ "; S-126, $1\frac{1}{8}$ "; S-128, $\frac{1}{2}$ "; S-130, $1\frac{1}{16}$ "; S-131, $1\frac{1}{8}$ "; S-132, 1"; S-134, $1\frac{1}{16}$ ".

SET NO. SA-70, in fibre box. Weight 2 lbs. 5 ozs.

NET PRICE.....\$11.35

STANDARD FLEX SET NO. SA-71 $\frac{1}{2}$

This utility set carries the No. S-13 Flexible Handle and T Bar No. 33, combined with ten selected "Van-Chrome" Socket sizes. Contents, total of 12 pieces:—10 twelve-point Sockets, Nos. S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{5}{8}$ "; S-120, $\frac{5}{8}$ "; S-121, $1\frac{1}{16}$ "; S-122, $1\frac{1}{16}$ "; S-124, $\frac{3}{4}$ "; S-126, $1\frac{1}{8}$ "; S-128, $\frac{1}{2}$ "; S-130, $1\frac{1}{16}$ "; Flexible Handle No. S-13; T Bar No. S-33.

SET NO. SA-71, in bulk. Weight 2 lbs. 12 ozs.

NET PRICE.....\$ 9.10

SET NO. SA-71 $\frac{1}{2}$, in metal box. Weight 4 lbs. 6 ozs.

NET PRICE..... 9.60

STANDARD SERIES SOCKET SET NO. SA-72 $\frac{1}{2}$

The 10 most popular sizes of Standard Series "Van-Chrome" Sockets and 6 Handle Units. This set meets the needs of most mechanics, and there is ample room in the attractive metal box for additional Sockets and Handles.

Contents, total of 16 pieces:—10 twelve-point Sockets, Nos. S-114, $\frac{1}{4}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{5}{8}$ "; S-120, $\frac{3}{4}$ "; S-121, $1\frac{1}{4}$ "; S-122, $1\frac{1}{4}$ "; S-124, $\frac{3}{4}$ "; S-125, $2\frac{3}{8}$ "; S-126, $1\frac{1}{8}$ "; S-128, $\frac{1}{8}$ "; Reversible Ratchet S-10; Speeder S-17; Sliding T S-21; Extension S-27; Extension S-29; Universal Joint S-35.

SET NO. SA-72, in bulk. Weight 6 lbs. 6 ozs.

NET PRICE.....\$18.75

SET NO. SA-72 $\frac{1}{2}$, in metal box. Weight 11 lbs. 8 ozs.

NET PRICE..... 20.65

STANDARD SERIES FLEX SET NO. SA-73 $\frac{1}{2}$

This set carries the extra long 18" Flex Handle No. S-15; T Bar S-33; and 16 Sockets with $\frac{1}{2}$ " square drive connection.

Contents, total of 18 pieces:—16 "Van-Chrome" 12-point Sockets, Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{5}{8}$ "; S-119, $1\frac{1}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $1\frac{1}{8}$ "; S-122, $1\frac{1}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{5}{8}$ "; S-126, $1\frac{1}{8}$ "; S-128, $\frac{1}{2}$ "; S-130, $1\frac{1}{16}$ "; S-131, $1\frac{1}{8}$ "; S-132, 1"; S-134, $1\frac{1}{16}$ ".

Flexible Offset Handle No. S-15; T Handle Bar No. S-33.

SET NO. SA-73, in bulk. Weight 4 lbs. 9 ozs.

NET PRICE..... \$14.45

SET NO. SA-73 $\frac{1}{2}$, in metal box. Weight 6 lbs.

NET PRICE..... 15.45

STANDARD SERIES SOCKET SET NO. SA-74 $\frac{1}{2}$

A well-balanced complete assortment of Standard Series Sockets and Handles. Carefully selected as those tools regularly required for all-around service. Every professional mechanic needs this balanced set. The heavy gauge metal box will last a lifetime. It is fitted with lock, nickel clasps and a convenient carrying handle.

Contents:—16 twelve-point Sockets, Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{5}{8}$ "; S-119, $1\frac{1}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $1\frac{1}{8}$ "; S-122, $1\frac{1}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{5}{8}$ "; S-126, $1\frac{1}{8}$ "; S-128, $\frac{1}{2}$ "; S-130, $1\frac{1}{16}$ "; S-131, $1\frac{1}{8}$ "; S-132, 1"; S-134, $1\frac{1}{16}$ "; 7 eight-point Sockets, Nos. S-212, $\frac{3}{8}$ "; S-214, $\frac{1}{2}$ "; S-216, $\frac{1}{2}$ "; S-218, $\frac{5}{8}$ "; S-220, $\frac{3}{4}$ "; S-224, $\frac{3}{4}$ "; S-228, $\frac{1}{2}$ ".

Includes special Handles and Attachments:—Ratchet S-10; S-13 Flex Handle; S-17 Speeder; S-18 Flex Speed Handle; Sliding T; S-25, S-27, S-29 Extensions; T Spinning Bar No. S-33; Universal Joint S-35; Spring Stabilizer; S-37 Drag Link; and S-41 Screw Driver Socket. Total 36 pieces.

SET NO. SA-74, in bulk. Weight 13 lbs.

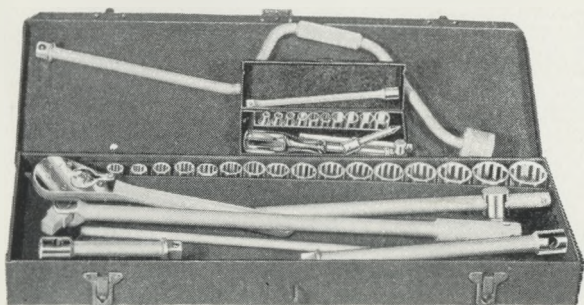
NET PRICE.....\$36.75

SET NO. SA-74 $\frac{1}{2}$, in metal box. Weight 18 lbs.

NET PRICE..... 38.85

Standard Series Sets (Cont.)

STANDARD SOCKET SET NO. SA-74½—36½ PIECES



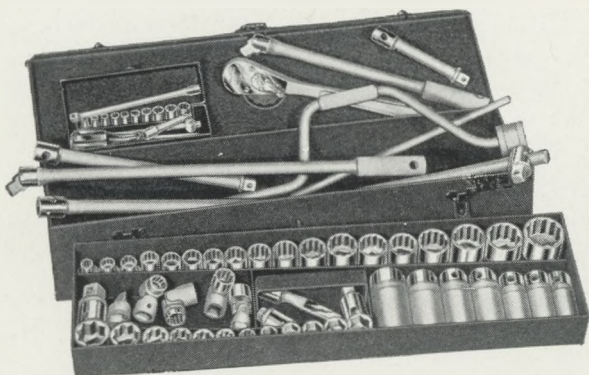
STANDARD SOCKET SET NO. SA-75½—37 PIECES

A handy new set that was developed to meet the demand for a modified assortment of the socket sizes and handle attachments in most frequent use. All essential tools have been retained, making a compact yet complete set for everyday use.

Contents: Ten Midget Sockets, openings $\frac{3}{16}$ " to $\frac{3}{4}$ "; 4 Midget Handles and Attachments as listed on page 5; 16 Standard Series 12-point Sockets with openings of $\frac{3}{16}$ ", $\frac{1}{2}$ ", $\frac{9}{16}$ ", $\frac{5}{8}$ ", $\frac{11}{16}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{4}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", $2\frac{1}{8}$ ", $2\frac{1}{4}$ ", $2\frac{3}{8}$ ", $2\frac{1}{2}$ ", $2\frac{3}{4}$ ", $3\frac{1}{8}$ ", $3\frac{1}{4}$ ", $3\frac{3}{8}$ ", $3\frac{1}{2}$ ", $3\frac{3}{4}$ ", $4\frac{1}{8}$ ", $4\frac{1}{4}$ ", $4\frac{3}{8}$ ", $4\frac{1}{2}$ ", $4\frac{3}{4}$ ", $5\frac{1}{8}$ ", $5\frac{1}{4}$ ", $5\frac{3}{8}$ ", $5\frac{1}{2}$ ", $5\frac{3}{4}$ ", $6\frac{1}{8}$ ", $6\frac{1}{4}$ ", $6\frac{3}{8}$ ", $6\frac{1}{2}$ ", $6\frac{3}{4}$ ", $7\frac{1}{8}$ ", $7\frac{1}{4}$ ", $7\frac{3}{8}$ ", $7\frac{1}{2}$ ", $7\frac{3}{4}$ ", $8\frac{1}{8}$ ", $8\frac{1}{4}$ ", $8\frac{3}{8}$ ", $8\frac{1}{2}$ ", $8\frac{3}{4}$ ", $9\frac{1}{8}$ ", $9\frac{1}{4}$ ", $9\frac{3}{8}$ ", $9\frac{1}{2}$ ", $9\frac{3}{4}$ ", $10\frac{1}{8}$ ", $10\frac{1}{4}$ ", $10\frac{3}{8}$ ", $10\frac{1}{2}$ ", $10\frac{3}{4}$ ", $11\frac{1}{8}$ ", $11\frac{1}{4}$ ", $11\frac{3}{8}$ ", $11\frac{1}{2}$ ", $11\frac{3}{4}$ ", $12\frac{1}{8}$ ", $12\frac{1}{4}$ ", $12\frac{3}{8}$ ", $12\frac{1}{2}$ ", $12\frac{3}{4}$ ". 7 Standard Series Handles and Attachments, Nos. S-15 Flex Handle; S-33 Cross Bar; S-19 Long Speeder; S-10 Reversible Ratchet; S-27 Extension, 5"; S-28 Extension, 10"; S-21 Sliding T.

SET NO. SA-75½, in fitted metal box. Weight 16 lbs.

NET PRICE, complete.....\$34.80



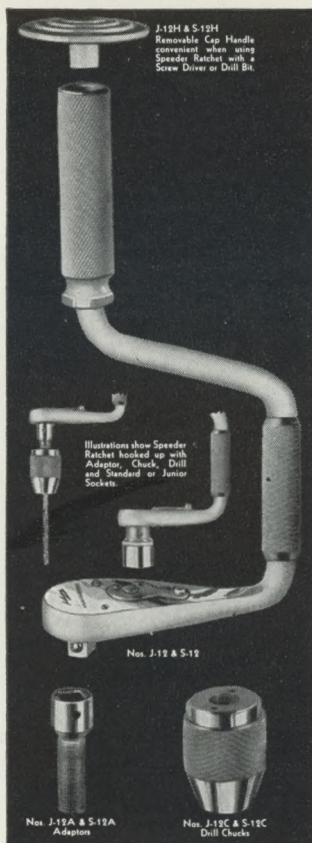
STANDARD SOCKET SET NO. SA-76½—70 PIECES

The most comprehensive set of sockets, handles and attachments that will meet any known need of the professional mechanic. These matched units are fitted to a roomy steel box, with a handy removable tote tray, that saves much time and labour.

Contents: Ten Midget Sockets and 4 Midget Handles as listed on page 5; 18 "Van-Chrome" 12-point Sockets, Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-119, $\frac{5}{8}$ "; S-120, $\frac{11}{16}$ "; S-121, $\frac{3}{4}$ "; S-122, $\frac{7}{8}$ "; S-124, $1\frac{1}{8}$ "; S-126, $1\frac{1}{4}$ "; S-128, $1\frac{1}{2}$ "; S-129, $1\frac{3}{4}$ "; S-130, $2\frac{1}{8}$ "; S-131, $2\frac{1}{4}$ "; S-132, $2\frac{3}{8}$ "; S-134, $2\frac{1}{2}$ "; S-136, $2\frac{3}{4}$ "; S-140, $3\frac{1}{8}$ ". Seven 8-point Sockets, Nos. S-212, $\frac{3}{8}$ "; S-214, $\frac{7}{16}$ "; S-216, $\frac{1}{2}$ "; S-218, $\frac{9}{16}$ "; S-220, $\frac{5}{8}$ "; S-224, $\frac{3}{4}$ "; S-228, $\frac{7}{8}$ ". Five 6-point Sockets, Nos. S-616, $\frac{3}{8}$ "; S-618, $\frac{7}{16}$ "; S-620, $\frac{1}{2}$ "; S-622, $\frac{9}{16}$ "; S-624, $\frac{5}{8}$ ". Three Flexible 12-point Sockets, Nos. S-316, $\frac{3}{8}$ "; S-318, $\frac{7}{16}$ "; S-320, $\frac{1}{2}$ ". Seven 12-point Extra Deep Sockets, Nos. DS-18, $\frac{3}{8}$ "; DS-22, $\frac{7}{16}$ "; DS-26, $\frac{1}{2}$ "; DS-28, $\frac{9}{16}$ "; DS-30, $\frac{5}{8}$ "; DS-32, $\frac{3}{4}$ "; DS-36, $\frac{7}{8}$ ". Handles and Attachments: No. S-10 Reversible Ratchet; No. S-13 Flexible Offset Handle, 12" long; No. S-15 Long Flex Handle, 18"; No. S-21 Sliding T Handle; No. S-33 T Handle Bar; No. S-35 Universal Joint; No. S-36 Stabilizer; No. S-37 Drag Link Socket; No. S-41 Screw Driver Socket; No. S-19 Long Speeder Handle; No. S-25 Extension, 2"; No. S-27 Extension, 5"; No. S-28 Extension, 10"; No. S-31 Extension, 18" long. Two Adaptors, Nos. A-390 and A-394.

SET NO. SA-76½, in special fitted metal box. Weight 28 lbs.

NET PRICE, complete.....\$66.25



"Van-Chrome" Reversible Ratchet Speeders

**For Sockets, Attachments, Screw Drivers and Drill Bits
Junior $\frac{3}{8}$ " Drive—Standard $\frac{1}{2}$ " Drive**

The most versatile and greatest time-saving tool ever offered the mechanic. It combines the utility and smooth working qualities of the renowned Herbrand Reversible Ratchet with all the practical features of the Modern Speeder Handles—two standard principles combined for the greatest efficiency. Light weight with body forged in one piece for strength and rigidity. Ratchet parts precisely machined and accurately fitted for perfect operation.

Made in two sizes—the Junior Ratchet which operates on a 20th of a turn, and the Standard Ratchet on the 28th of a turn. Either is instantly reversible, with simple thumb control and no lost motion. Absolutely trouble-proof and engineered on modern, trim lines to work rapidly and freely in cramped quarters. Both Speeders are designed with a wide sweep and equipped with two large, firm-grip, knurled, revolving handles.

Removable Cap Handles Nos. J-12H and S-12H are convenient when employing drill or screw driver bits, the chuck for which is supplied with the tool if desired. The special Adaptors J-12A and S-12A are used when applying the drill chuck. No. J-12 fits any $\frac{3}{8}$ " drive socket or attachment. Width of sweep 4". No. S-12 fits any $\frac{1}{2}$ " drive connection on socket, extension or attachment. Width of sweep 5".

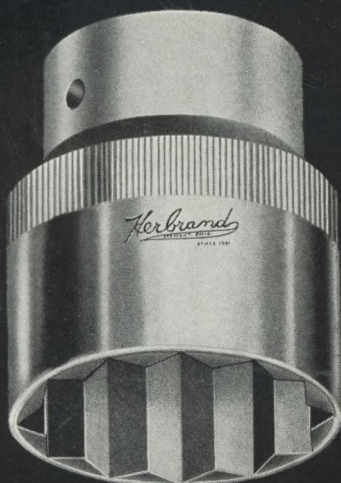
Speeder Ratchets and Parts

Junior $\frac{3}{8}$ " Drive

No.	Description	Weight		Price Each
		Lbs.	Ozs.	
J-12	Speeder Ratchet only. Length 9".....	1	..	\$4.73
J-12S	Ratchet Speeder with Cap Handle, Adaptor and Chuck.....	1	8	7.00
J-12A	Drill Chuck Adaptor only.....	..	1	.75
J-12C	Drill Chuck only.....	..	6	1.24
J-12H	Cap Handle only.....	..	1	.34

Standard $\frac{1}{2}$ " Drive

S-12	Ratchet Speeder only. Length 11 $\frac{5}{8}$ ".....	1	12	\$5.63
S-12S	Ratchet Speeder with Cap Handle, Adaptor and Chuck.....	2	10	8.25
S-12A	Drill Chuck Adaptor only.....	..	3	.83
S-12C	Drill Chuck only.....	..	10	1.58
S-12H	Cap Handle only.....	..	2	.38



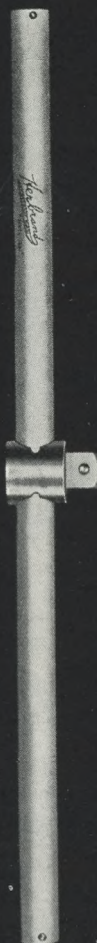
H-128 To H-170



H-10



H-13



H-21



H-31



H-25



H-29

"VAN-CHROME" HEAVY DUTY SOCKETS AND HANDLES

$\frac{3}{4}$ " Square Drive

Hot Forged from Chrome Molybdenum Steel

Carefully engineered and designed to perform the most strenuous work on large diameter nuts where extra strength and the safety factor are vitally important. Unnecessary bulk and weight which mean clumsiness are eliminated, because these sockets are Hot Forged with straight, thin side walls and 12-point openings. Machined with raised knurl and equipped with a safety snap, lock-on feature. Triple satin nickel plate.

Cat. No.	Openings	Net Each	Cat. No.	Openings	Net Each
†H-126	$1\frac{1}{16}$ (sq.)	\$1.25	H-144	1 $\frac{3}{8}$	\$1.58
H-128	$\frac{7}{8}$	.93	H-146	1 $\frac{7}{16}$	1.72
H-130	$\frac{1}{2}$	1.05	H-148	1 $\frac{1}{2}$	1.88
H-131	$\frac{3}{4}$	1.08	H-152	1 $\frac{5}{8}$	1.99
H-132	1	1.08	H-156	1 $\frac{3}{4}$	2.78
H-134	1 $\frac{1}{16}$	1.15	*H-158	1 $\frac{11}{16}$	3.19
H-136	1 $\frac{1}{4}$	1.15	H-160	1 $\frac{7}{8}$	3.86
H-138	1 $\frac{3}{16}$	1.25	†H-164	2	4.12
H-140	1 $\frac{3}{4}$	1.35	H-170	2 $\frac{1}{16}$	4.50
H-142	1 $\frac{5}{16}$	1.50			

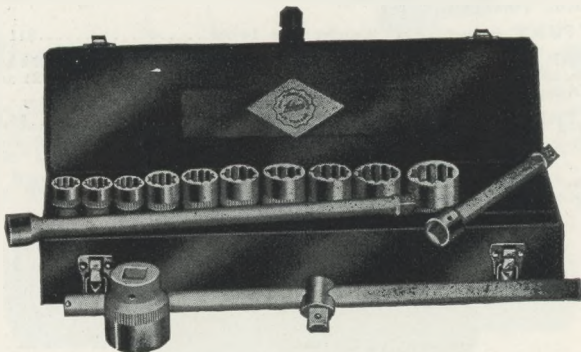
*For Rear Axle Nut, 1931 to 1933 Chev. Trucks. †1934 and 1935 Trucks.

†Special for service on Budd wheels.

The Handles are forged from a superior quality of Chrome Steel, possessing unusual physical properties, toughness and resistance to extreme strains. Equipped with ball and spring positive lock-on.

Cat. No.	Description	Net Each
H-10	RATCHET HANDLE, 21" long. Power plus which handles the most obstinate nuts. The efficient ratcheting action employing 36 teeth and 4 dogs always engaged assures positive gripping, a short throw and an extra bite in close places.....	\$11.62
H-13	FLEX HANDLE, 21" long. Surplus power, distinctive advantages of working efficiency and more speed are featured in this tool. A friction spring plunger holds the hinged drive at any angle desired. The knurled handle is cross drilled for insertion of the spinning T Bar, sold as a unit with the handle.....	6.20
H-21	SLIDING T HANDLE, 20" long. Forged head slides flush to the ends, and friction ball holds it firmly at any point.....	3.56
H-25	EXTENSION, 4" long. All extensions forged solid. The heads have $\frac{3}{4}$ " drive and the opposite ends an offset shoulder which provides a positive socket stop....	1.95
H-29	EXTENSION, 8" long.....	2.56
H-31	EXTENSION, 16" long.....	3.00

HEAVY DUTY SOCKET SET NO. HA-80 $\frac{1}{2}$



Every thoroughly equipped mechanic needs a complete set of "Van-Chrome" Heavy Duty Sockets.

Contents, total of 14 pieces:—11 "Van-Chrome" Heavy Duty Sockets, Nos. H-128, $\frac{7}{8}$ "; H-130, $\frac{1}{2}$ "; H-131, $\frac{3}{4}$ "; H-132, 1"; H-134, 1 $\frac{1}{16}$ "; H-136, 1 $\frac{1}{4}$ "; H-140, 1 $\frac{3}{16}$ "; H-144, 1 $\frac{3}{8}$ "; H-146, 1 $\frac{7}{16}$ "; H-148, 1 $\frac{1}{2}$ "; H-152, 1 $\frac{5}{8}$ "; Sliding T Handle No. H-21; Extension, 8" long, No. H-29; Extension, 16" long, No. H-31.

SET NO. HA-80, in bulk. Weight 17 lbs. NET PRICE.....\$22.35

SET NO. HA-80 $\frac{1}{2}$, in metal box. Weight 23 lbs. NET PRICE... 24.10

HEAVY DUTY SOCKET SET NO. HA-82 $\frac{1}{2}$

Contains one each of 16 12-point Sockets listed above (excepting No. H-138), Nos. H-128 to H-164, also the Heavy Duty Ratchet, Flex Handle and Spinning T Bar, Sliding T Handle and 2 Extensions, Nos. H-29 and H-31. Total of 22 pieces.

SET NO. HA-82, in bulk. Weight 28 lbs.

NET PRICE.....\$53.65

SET NO. HA-82 $\frac{1}{2}$, in metal box. Weight 36 lbs.

NET PRICE..... 55.47

"Van-Chrome" Spark Plug Wrench Sets

Recessed spark plugs on modern motors make these Extra Deep Sockets an absolute necessity. The extra depth and thin walls reach easily and turn plugs in the tightest places. The accurate, clean 12-points assure a firm, snug fit, eliminating the danger of cracked porcelains or mutilated plugs. A 7" slide bar No. DSH-6, for use as a T handle, is supplied with the sets as listed.

Sets No. DS-8½ and DS-9½ are very popular in garages and service stations where there is frequent occasion to test, clean and change spark plugs of all makes.



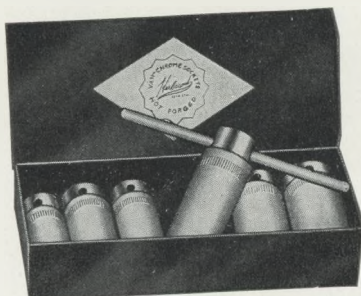
SET NO. DS-9½

SET No. DS-9½, one each of Nos. DS-18, DS-22, DS-26, DS-28B, DS-30, DS-32 and DS-36 Spark Plug Wrenches, as listed on page 11. 5" Extension No. S-27; 11" Sliding T Handle No. S-21 and S-26 Adaptor Wrench. Total of 10 pieces.

NET PRICE, in metal box. Weight 5 lbs. 14 ozs.....\$11.35

SET No. DS-8½, one each of Nos. DS-26, DS-28B, DS-30, DS-32 and DS-36, as listed on page 11. 5" Extension S-27; Sliding T Bar S-21 and S-26 Adaptor Wrench.

NET PRICE, in metal box. Weight 4 lbs.....\$9.00

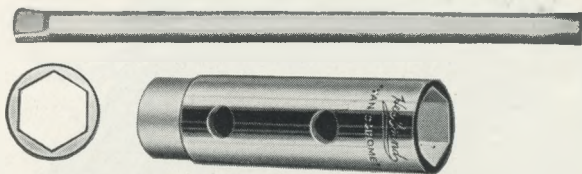


SET NO. DS-7½

SETS DS-7 and DS-7½ contain one each DS-26, DS-28, DS-28B, DS-30, DS-32, DS-36, as listed on page 15; DSH-6 Handle. Total of 7 pieces.

SET No. DS-7, in bulk box. Weight 2 lbs. 10 ozs..NET PRICE.....\$8.15

SET No. DS-7½, in metal box. Weight 3¾ lbs...NET PRICE..... 8.92



"Van-Chrome" Double-end Spark Plug Wrenches Nos. DS-10 and DS-14

Fits All Sizes of New Style Millimeter Spark Plugs

These two double-end wrenches provide the four necessary opening sizes to accurately fit all of the new style millimeter spark plugs. A special T handle, No. DSH-5, for operating the wrenches and to provide the correct amount of leverage, is supplied as a part of the tool.

NO. DS-10 has 6-point openings of $\frac{1}{16}$ " and $\frac{3}{16}$ ".
NET PRICE, including DSH-5 T handle.....\$1.25

NO. DS-14 has 6-point openings of $\frac{1}{8}$ " and $\frac{13}{16}$ ".
NET PRICE, including DSH-5 T handle.....\$1.50

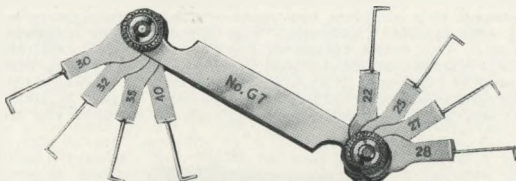


Adaptor Wrench No. S-26

For Use with 10mm Spark Plug Adaptors

The application of 10mm plugs to cars not drilled for the small size requires a reducing adaptor. This special wrench is designed with a bit end that fits the slotted heads of the adaptors and is essential for their installation or removal. The opposite end has a $\frac{1}{2}$ " square drive connection that fits standard handles and is cross-drilled for a T bar.

NO. S-26, length 5". Weight 8 ozs. Satin nickel, polished head.
NET PRICE, each.....\$.90



Wire Spark Plug Feeler Gauge No. G-7

8 Sizes for Easy Checking of Spark Plug Gaps

The latest development for accurate spark plug gap spacing. More efficient than a flat blade tool because the round, precision gauges accurately fit the contour of the electrodes. Ends of wires are turned at 90° to set electrodes recessed below the shell.

Eight wire gauges, $1\frac{3}{4}$ " long—.022; .025; .027; .028; .030; .032; .035; .040. Weight 1 oz.
NET PRICE, each.....\$1.40

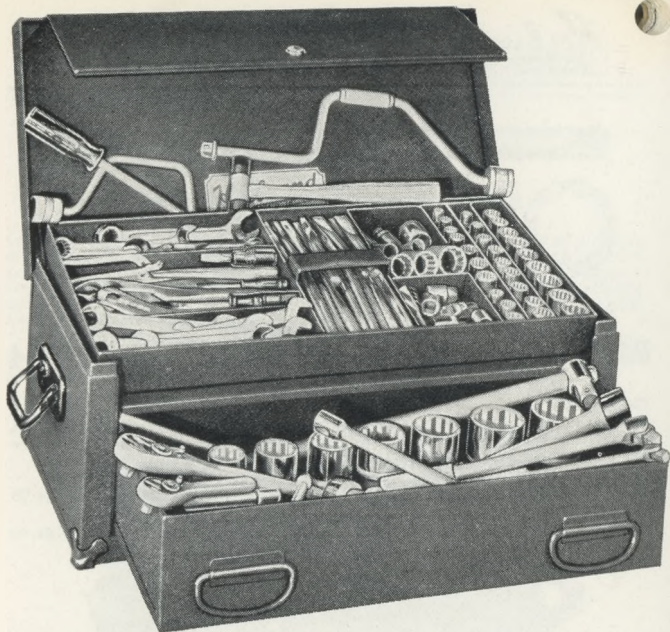


No. 141 "Van-Chrome" Spark Plug Hole Thread Chaser and Cleaner

14mm and 18mm
Chrome Vanadium Steel

The threads in spark plug holes on aluminum heads so widely used are easily crossed, stripped or clogged. When these threads are damaged it is very difficult to replace spark plugs with a tight fit. This double-end 14mm and 18mm Thread Chaser should be used whenever changing spark plugs to remove dirt, corrosion and realign crossed threads to insure perfectly fitting plugs. Threaded shafts are fluted for easy elimination of chips, and the hex body is operated by a spark plug socket or wrench. Plated in satin nickel. Sized for 14 and 18 metric threads. Overall length $3\frac{1}{2}$ ". Weight 5 ozs.

NET PRICE, each.....\$1.55



Magic Chest DeLuxe Model No. MC-104

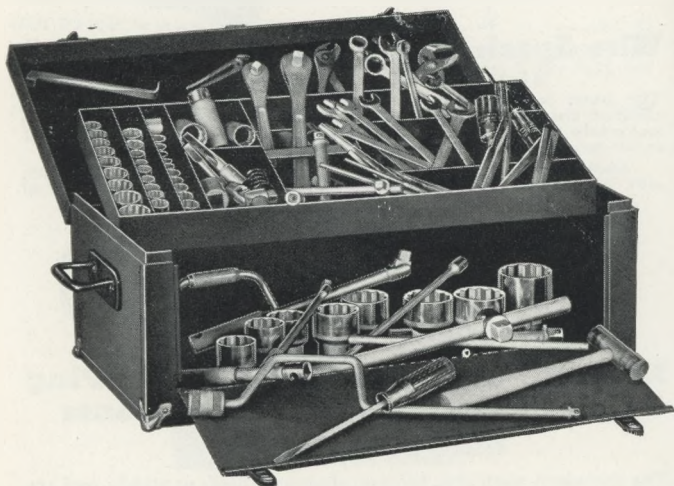
With Folding Drop Front—Spill-proof Drawer
Tote Tray—Lock and 101 Necessary Approved Tools

*Formed from Heavy Gauge Steel, Welded Reinforced Corners
Built for Lifetime Service*

Size—9" x 11½" x 23½". Fits on top of Rollway Workshop, No. MB-3.

A Complete Assortment of Necessary Tools

Like the magic of Aladdin's lamp, when the lid of this chest is lifted, the sparkle of 101 practical tools of a thousand and one uses transports the mechanic to a complete tool room—nothing unnecessary—nothing missing. All genuine Herbrand "Van-Chrome"—the ultimate in tool perfection. The sturdy chest of heavy gauge metal will stand the rigors of a lifetime of service and is heavily lacquered to resist rust. Trays may be removed. The Magic Chest may be purchased with the complete assortment selected by experts, as listed on page 27, individually or with any group of tools selected to suit the needs of the mechanic.



The Magic Chest of 101 Van-Chrome Tools No. MC-101

Size 23½" Wide, 11½" Deep, 9" High
Fits on Top of Rollway Workbench

Contents, Specifications, Prices Magic Chests MC-101 & MC-104

A Complete Tool Room of the 101 Most Essential Tools

JUNIOR SERIES SOCKETS AND HANDLES— $\frac{3}{8}$ " DRIVE

7 twelve-point, straight, thin wall Sockets: Nos. J-112, $\frac{3}{8}$ "; J-114, $\frac{1}{4}$ "
J-116, $\frac{1}{2}$ "; J-118, $\frac{9}{16}$ "; J-120, $\frac{5}{8}$ "; J-122, $1\frac{1}{8}$ "; J-124, $1\frac{1}{2}$ "
3 eight-point, thin wall Sockets: Nos. J-212, $\frac{3}{8}$ "; J-214, $\frac{1}{2}$ "; J-216, $\frac{1}{2}$ "
2 Extra Deep 12-point Sockets: Nos. J-416, $\frac{1}{2}$ ", and J-418, $1\frac{1}{2}$ "
No. J-10 Improved Reversible Ratchet; J-13 Flexible Offset Handle; J-17
Speed Handle; J-27 Extension 5" long; J-35 Universal Joint; J-36
Spring Stabilizer; J-37 Screw Driver Socket; J-33 Sliding T Bar.

STANDARD SERIES SOCKETS AND HANDLES— $\frac{1}{2}$ " DRIVE

15 twelve-point, straight, thin wall Sockets: Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{1}{4}$ ";
S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-119, $1\frac{1}{8}$ "; S-120, $\frac{5}{8}$ "; S-121, $2\frac{1}{2}$ "; S-122, $1\frac{1}{8}$ ";
S-124, $1\frac{1}{2}$ "; S-125, $2\frac{1}{2}$ "; S-126, $1\frac{1}{2}$ "; S-128, $1\frac{1}{8}$ "; S-130, $1\frac{3}{8}$ "; S-131,
 $1\frac{1}{2}$ "; and S-132, 1"
3 eight-point, thin wall Sockets: Nos. S-216, $\frac{1}{2}$ "; S-218, $1\frac{1}{8}$ "; S-220, $\frac{5}{8}$ "
3 Extra Deep Sockets: DS-26, $1\frac{1}{8}$ "; DS-28, $\frac{1}{2}$ "; and DS-32, 1"
Socket Extension Adaptor No. A-390, $\frac{3}{8}$ " x $\frac{1}{2}$ ", and No. A-391, $\frac{1}{2}$ " x $\frac{3}{8}$ "
No. S-10 Improved Reversible Ratchet with 28 teeth; S-13 Flexible Offset
Handle; S-17 Speeder Handle; S-27 Extension 5" long; S-29 Extension
with swivel spinning grip, 10" long; S-33 T Handle Bar; S-35 Short
Coupled Universal Joint; S-36 Spring Stabilizer; S-37 Drag Link
Socket; and No. S-41 Screw Driver Socket.

HEAVY DUTY SERIES SOCKETS AND HANDLES— $\frac{3}{4}$ " DRIVE

8 twelve-point, straight, wall Sockets: Nos. H-134, $1\frac{1}{4}$ "; H-136, $1\frac{1}{8}$ ";
H-140, $1\frac{1}{4}$ "; H-144, $1\frac{3}{8}$ "; H-146, $1\frac{1}{8}$ "; H-148, $1\frac{1}{2}$ "; H-156, $1\frac{3}{4}$ ";
H-158, $1\frac{1}{2}$ "
No. H-21 Sliding T Handle 20" long; H-25 Extension 4" long; H-29 Extension
8" long; and No. A-393 Extension Adaptor Plug, $\frac{1}{2}$ " and $\frac{3}{4}$ ".

MISCELLANEOUS TOOLS

6 Multitype Combination Box and Open End Wrenches: Nos. 1214, $\frac{1}{4}$ ";
1216, $\frac{1}{2}$ "; 1218, $\frac{3}{4}$ "; 1220, $\frac{5}{8}$ "; 1222, $1\frac{1}{8}$ "; and 1224, $\frac{3}{4}$ "
15 "Van-Chrome" Assorted Punches and Chisels as follows: Flat Chisels
Nos. 401, $\frac{3}{16}$ " x 5"; 402, $\frac{3}{8}$ " x 6"; 403, $\frac{1}{2}$ " x 6". Cape Chisels, Nos. 410,
 $\frac{3}{16}$ " x 5"; 412, $\frac{1}{2}$ " x 6". Gouge Chisel No. 421, $\frac{3}{8}$ " x 6". Diamond
Point Chisel No. 431, $\frac{3}{8}$ " x 6". Pin Punches, Nos. 443, $\frac{5}{16}$ " x 6"; 444,
 $\frac{3}{8}$ " x $6\frac{1}{2}$ "; 445, $\frac{3}{8}$ " x $6\frac{1}{8}$ "; 446, $\frac{3}{8}$ " x 7". Solid Punches, Nos. 451, $\frac{3}{8}$ " x
5"; 452, $\frac{1}{2}$ " x 6"; and 453, $\frac{5}{8}$ " x 7". Center Punch No. 471, $\frac{3}{8}$ " x 5".
Open End Wrenches: Nos. 1725B, $\frac{1}{2}$ " and $\frac{9}{16}$ "; Special 1027F, $\frac{5}{8}$ " x $1\frac{1}{16}$ "
Protectogrip Insulated Handle Screw Drivers as follows: Nos. 310,
2" blade; 312, 3" blade; 315, $1\frac{1}{4}$ " blade; 316, 6" blade. No. 354 Offset
Screw Driver, $6\frac{1}{2}$ " long.
Tappet Wrenches: 2 each of No. H-2 with $\frac{1}{2}$ " and $\frac{9}{16}$ " openings and
No. H-3 with $\frac{5}{8}$ " and $1\frac{1}{16}$ " openings.
Special Pliers: No. 166 $\frac{1}{2}$ -S Improved Water Pump and General Service
Plier; No. 179-S Battery Plier; No. 167-S Midget Ignition Plier.
No. 652 Protectotip Hammer.

No. MC-101 Magic Chest

Comprising one each of the 101 tools listed above, including the
sturdy metal chest illustrated and described on page 26. Size of chest,
23 $\frac{1}{2}$ " long, 9" high and 11 $\frac{1}{2}$ " wide. Weight complete 60 lbs.

NET PRICE, complete chest and tools.....\$110.90

NET PRICE, NO. MC-2, chest only..... 13.13

No. MC-104 Magic Chest

NO. MC-104, Magic Chest DeLuxe with 101 Tools as listed above and
illustrated on page 26. Weight 64 lbs.

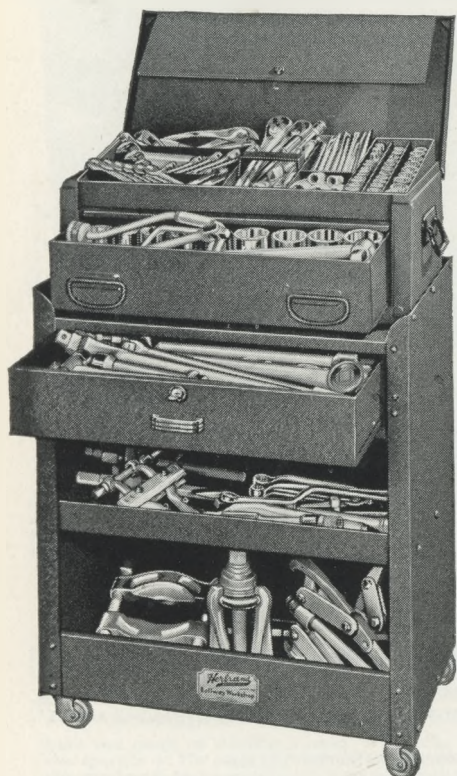
NET PRICE, complete, chest and tools.....\$114.95

NO. MC-3, DeLuxe Magic Chest only, as illustrated on page 26.
Weight 32 lbs.

NET PRICE, chest only.....\$ 17.25

NO. MC-T, Approved Selection of 101 Tools as above. Weight
33 lbs.

NET PRICE, 101 tools only.....\$ 98.66



**ROLLWAY
WORKSHOP
DE LUXE
MODEL MC-103**

*An Innovation in
Service-sales
Equipment*

Cabinet type portable Workbench, with sliding panel door and improved drop-front Magic Chest. Contains 101 necessary approved tools. Rolls easily on smooth-running casters—keeps every tool right at your fingertips—coincidental locks protect your tools.

The De Luxe Model Combination Cabinet Workbench and Magic Chest with 101 approved tools (as listed on page 19) is necessary to meet modern service demands. It is the latest development in service, energy and time-saving equipment. Rugged and compact, yet large enough to be a complete self-serve tool room, it is easily wheeled to the immediate job. This complete assortment equips the mechanic for most repair work, and is a silent but effective service-salesman for most any job that rolls into the

shop. Roll up the Magic Rollway and impress your customers with the startling array of modern tools that have been engineered to handle every job with precision, speed and economy. Words are unnecessary—showmanship is the sales requisite—impress your trade with the fact that you have the equipment, the experience and ability to do the job better, at less cost and faster. The well-equipped mechanic gets the business and profits.

Incorporating many new features, it is all formed from heavy gauge steel—no angle iron construction—and is securely bolted for extreme rigidity. When the lid of the Magic Chest is raised the drop front folds back and is automatically out of the way. The front of the Workbench is a disappearing door, which slides easily under the top of the bench, giving free access to the large tool drawer and two extra deep shelves, which are very convenient for heavy duty tools, pullers and other large equipment. Two keys of the same serial number are provided for each lock.

Size of Rollway Bench NO. MB-3:
29" high, 24½" wide, 15½" deep.
Weight, 64 lbs.

Size of De Luxe Magic Chest
NO. MC-3: 9" high, 23½" wide, 11½" deep. Weight, 31 lbs.

This new De Luxe Magic Chest may be purchased complete with the Workbench and 101 tools as listed on page 27, or separately if desired. The MB-3 De Luxe Rollway may also be purchased separately at nominal cost.

NO. MB-3, Rollway only.
NET PRICE, each.....\$28.85

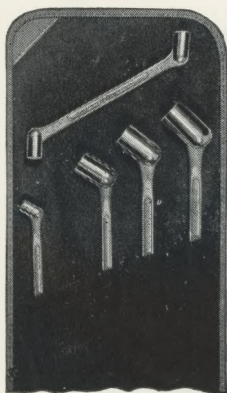
NO. MC-3, De Luxe Chest only.
NET PRICE, each.....\$17.25

NO. MC-103, Combination De Luxe Rollway, De Luxe Magic Chest and 101 approved tools, as listed on page 27. Weight 128 lbs.
NET PRICE, complete.....\$139.85

Herbrand Tools may be purchased through jobbers on the Commercial Credit Company Automotive Equipment Time Payment Plan.



Closed view.



SET NO. 6820



Multiflex Box Wrenches

Swivel Heads

Drop Forged from Chrome Vanadium Steel

True to its name the Multiflex is both flexible and serves a multitude of uses, because it adjusts instantly to any angle. The swivel heads break over to 90° and are equipped with compression springs to retain any working position and handle nuts and bolts at all awkward angles. Extra deep, hot forged twelve-point sockets and very thin, straight side walls permit a full, firm grip on sunken nuts. The sockets are chamfered so that bolts and nuts readily locate in the openings. Oval handles with panel design for maximum gripping power. Satin nickel with polished heads.

Wrench No.	Socket Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and CapScrews	Length	Net Price Each
6823	3/8" & 7/16"	.....	3/16" & 1/4"	..... 1/4"	7 3/8"	\$1.76
6825	1/2" & 9/16"	1/4".....	5/16" & 3/8"	5/16" & 3/8"	8 3/4"	2.02
6827	5/8" & 3/4"	.....	1/2" & 1/2"	1/2" & 1/2"	9"	2.17
*6827V	5/8" & 1 1/16"	..... 3/8"	1/2".....	1/2".....	9"	2.17
6829	1 1/16" & 1 5/16"	3/8" & 1/2"	.....	.....	10 5/8"	2.47
6831	1 3/8" & 1 7/8"	..... 1/2"	3/8" & 5/8"	..... 1/2"	11"	2.63

*Especially sized for Ford V-8 service. Ideal for Universal Joints.

SET NO. 6820 contains one each of above wrenches except No. 6827-V.

NET PRICE, in box.....\$10.35; in leatherette case..... \$10.80



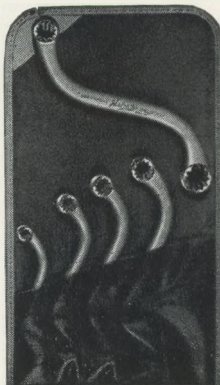
Obstructo Box Wrenches

"S" Pattern

Drop Forged from Chrome Vanadium Steel

Designed to facilitate the work of mechanics, particularly in those time consuming, "tricky" places.

The unique construction virtually removes obstructions and gets those hidden nuts without removing interfering parts. The heads are set at an unusual angle to provide knuckle clearance. Satin nickel finish, polished heads.

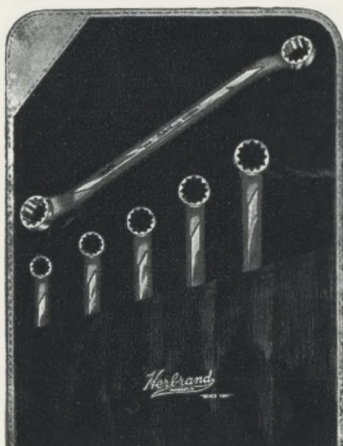


SET NO. 7720

Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and CapScrews	Length	Net Price Each
7723	3/8" & 7/16"	.....	3/16" & 1/4"	..... 1/4"	6"	\$.82
7725B	1/2" & 9/16"	1/4".....	5/16" & 3/8"	5/16" & 3/8"	7"	.90
7727	5/8" & 3/4"	.....	3/8" & 1/2"	3/8" & 1/2"	8"	.98
7729	1 1/16" & 1 5/16"	3/8" & 1/2"	.....	.....	9"	1.09
7731A	1 3/4" & 1 7/8"	..... 1/2"	1/2" & 5/8"	1 1/2" & 5/8"	10"	1.24

SET NO. 7720 contains one each of above wrenches.

NET PRICE, in box.....\$4.69; in leatherette case.....\$5.18



SET NO. 3901

"Van-Chrome" Ultra Box Wrenches

Modern—Improved—Specially Angled—Panelled Handles

Drop Forged from Chrome Vanadium Steel

Ultra in name, ultra in modern design, these wrenches are the utmost in versatility and offer the broadest scope of service. Herbrand introduces them after working extensively with mechanics in order to develop a box wrench to the highest degree of perfection, which would be more efficient and better adapted to the service of modern cars.

Low and close clearances offer no difficulties of accessibility, because the heads are distinctively angled at approximately 30 degrees. This new angle assures perfect clearance for both knuckles and head bolts, but retains sufficient offset to reach countersunk or imbedded nuts with ample leverage for a strong pull and without any possibility of tilting. The extremely thin side walls of the 12-point openings are machined to exacting tolerances to snugly fit bolt heads or nuts for which they are sized. Chamfered both top and bottom, so that either side may be used with equal facility, they locate and engage automatically.

Painstakingly engineered to a very definite formula for perfect graduation and balance of length, size openings and clearance on today's compact motors. Beauty of appearance and perfect comfort of grip have been combined in the raised bar design which readily marks them as quality tools of distinction.

Individually drop forged from the finest Chrome Vanadium Steel and scientifically heat treated for lifetime service. Handsomely triple plated in lustrous satin nickel with heads polished to mirror brightness.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and CapScrews	Length	Net Price Each
3923	$\frac{3}{8}$ E $\frac{7}{16}$	.....	$\frac{3}{16}$ E $\frac{1}{4}$	..... $\frac{1}{4}$	6 $\frac{1}{2}$	\$.75
3925	$\frac{1}{2}$ E $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ E $\frac{3}{8}$	$\frac{5}{16}$ E $\frac{3}{8}$	7 $\frac{3}{16}$	.86
3927	$\frac{5}{8}$ E $\frac{5}{8}$	.....	$\frac{3}{8}$ E $\frac{1}{2}$	$\frac{3}{8}$ E $\frac{1}{2}$	8 $\frac{5}{8}$	1.01
3929	$\frac{7}{8}$ E $1\frac{1}{8}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	9 $\frac{11}{16}$	1.12
3931	$\frac{3}{4}$ E $1\frac{3}{16}$	.....	$\frac{1}{2}$ E $\frac{9}{16}$	$\frac{1}{2}$	10 $\frac{7}{8}$	1.31
3933	$\frac{7}{8}$ E $1\frac{5}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$ E $\frac{5}{8}$	12 $\frac{1}{4}$	1.76

EXTRA LONG

**2345	$1\frac{1}{16}$ E $1\frac{1}{16}$	.....	.....	.....	15	\$2.17
*3935	1 E $1\frac{1}{16}$	.....	$\frac{3}{4}$	$1\frac{1}{16}$ E $\frac{3}{4}$	16	2.62
*3937	$1\frac{1}{8}$ E $1\frac{1}{4}$	..... $\frac{3}{4}$	$\frac{7}{8}$ E 1	..... $\frac{7}{8}$	18	3.38
*3938	$1\frac{3}{8}$ E $1\frac{3}{8}$	.....	1 $\frac{1}{8}$ .....	.....	20	3.50
*3939	$1\frac{1}{2}$ E $1\frac{1}{2}$	$\frac{1}{2}$ .....	..... $1\frac{1}{4}$	1	20	3.93

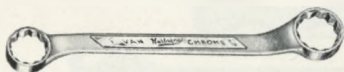
*Do not have embossed panel design.

**Specially adapted to fit crankcase drain plugs on Ford V-8 prior to 1939.

SET NO. 3901 contains 6 wrenches, one each of 3923 to 3933 inclusive.

NET PRICE, in fibre box.....\$6.37

NET PRICE, in leatherette roll.....\$7.07

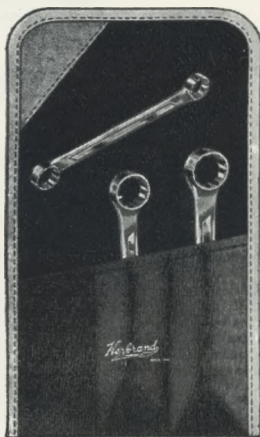


"Van-Chrome" Ultra Box Wrenches

Improved Short Offset Pattern
Panelled Handles

Drop Forged from Chrome
Vanadium Steel

Another Ultra Box Wrench with modified offset heads, which is extremely practical and necessary for awkwardly placed nuts where the turning radius is limited. Distinguished by the panelled handles and refined engineering features, this wrench is precision built from the finest Chrome Vanadium Steel and attractively finished in two-tone nickel with heads polished to a high lustre.

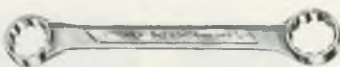
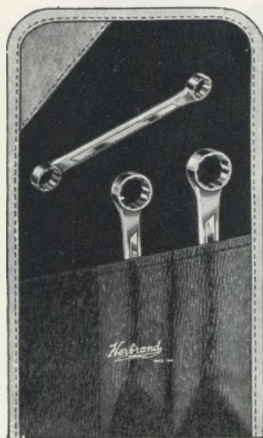


SET NO. 4920

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and CapScrews	Length	Net Price Each
4923	$\frac{3}{8}$ E $\frac{7}{16}$	.....	$\frac{3}{16}$ E $\frac{1}{4}$	..... $\frac{1}{4}$	4 $\frac{1}{2}$	\$.75
4925	$\frac{1}{2}$ E $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ E $\frac{3}{8}$	$\frac{5}{16}$ E $\frac{3}{8}$	5 $\frac{1}{4}$	.86
4927	$\frac{5}{8}$ E $1\frac{1}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	6	.94

SET NO. 4920 contains one each of the above. Weight 10 ozs.

NET PRICE, in box.....\$2.38; in leatherette pouch.....\$2.76



"Van-Chrome" Ultra Box Wrenches

Improved 15° Angle Pattern
Panelled Handles

Drop Forged from Chrome
Vanadium Steel

This new 15° angle design is a distinct engineering improvement; has slim, graceful lines, maximum accessibility, is faster in service and easier to handle.

Careful drop forging from select Chrome Vanadium Steel, expert heat treatment, precision machining and panelled handles immediately identify these Ultra Box Wrenches as super-quality tools of distinction. Triple plated in a two-tone satin nickel with the heads highly polished.

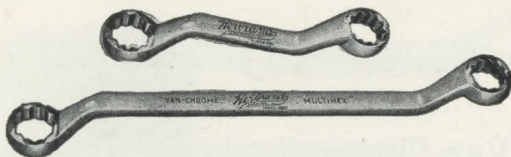
SET NO. 6920

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and CapScrews	Length	Net Price Each
6923	$\frac{3}{8}$ E $\frac{7}{16}$	.....	$\frac{3}{16}$ E $\frac{1}{4}$	..... $\frac{1}{4}$	4 $\frac{1}{4}$	\$.75
6925	$\frac{1}{2}$ E $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ E $\frac{3}{8}$	$\frac{5}{16}$ E $\frac{3}{8}$	5	.86
6927	$\frac{5}{8}$ E $1\frac{1}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	5 $\frac{3}{4}$	.94

SET NO. 6920 contains one each of the above. Weight 8 ozs.

NET PRICE, in box.....\$2.38; in leatherette pouch.....\$2.76

FOR MIDGET SIZE BOX WRENCHES SEE PAGE 39



"Van-Chrome" Multihex Box Wrenches

45° Offset Patterns

Drop Forged from Chrome Molybdenum Steel

Refinements of speed, efficiency and moderate price make these wrenches highly acceptable. They have different twelve-point graduated openings in each end, and the abrupt offset of the heads reaches sunken nuts and gets around obstructions. The extra thin side walls and generous leverage have also contributed to their universal approval. Heat treated their entire length to insure dependable service. Finished in velvety smooth satin nickel with heads brightly polished.

SHORT OFFSET PATTERN

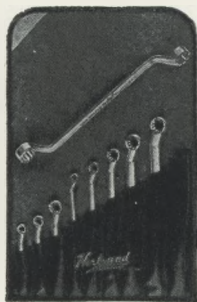
Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and CapScrews	Length	Net Price Each
4723	$\frac{3}{8}$ & $\frac{1}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	4½	\$.64
4725B	$\frac{1}{2}$ & $\frac{9}{16}$	.....	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	5¼	.68
4727A	$\frac{5}{8}$ & $1\frac{1}{16}$	.....	$\frac{1}{16}$	$\frac{1}{16}$	6	.75

LONG OFFSET PATTERN

3723	$\frac{3}{8}$ & $\frac{1}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	8½	\$.64
3725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	9	.75
3727	$\frac{5}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{1}{16}$	$\frac{3}{8}$ & $\frac{1}{16}$	9¾	.86
3727A	$\frac{5}{8}$ & $1\frac{1}{16}$	.....	$\frac{1}{16}$	$\frac{1}{16}$	9¾	.86
3729A	$\frac{3}{4}$ & $1\frac{5}{16}$	.....	$\frac{1}{2}$	$\frac{1}{2}$	11	.98
3731B	$1\frac{1}{16}$ & $\frac{3}{8}$	.....	$\frac{9}{16}$ & $\frac{5}{8}$	..... $\frac{9}{16}$	12½	1.28
3733C	$1\frac{5}{16}$ & 1	.....	..... $\frac{3}{4}$	$\frac{5}{8}$ & $1\frac{1}{16}$	14½	1.50



SET NO. 3701



SET NO. 3702



SET NO. 3700

"Van-Chrome" Box Wrench Sets

45° Offset Patterns

For the convenience of the mechanic, and to provide readily salable units, Multihex Wrenches are supplied in various practical assortments as listed below.

SET NO. 3701, one each of the 3 Short Pattern Nos. 4723, 4725B and 4727A

NET PRICE, in box.....\$1.92; in leatherette case.....\$2.27

SET NO. 3702 contains 9 wrenches, one each of the 3 Short Offset Pattern Nos. 4723, 4725B, 4727A, and one each of the 6 Long Offset Type Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C.

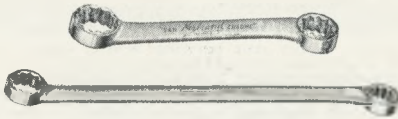
NET PRICE, in box.....\$7.52; in leatherette case.....\$8.50

SET NO. 3700 carries one each of 5 Long Offset Box Wrenches, Nos. 3723, 3725B, 3727A, 3729A and 3731B.

NET PRICE, in box.....\$4.20; in leatherette case.....\$4.93

SET NO. 3704 (not illustrated) contains one each of the 6 Long Offset Pattern Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C.

NET PRICE, in box.....\$5.60; in leatherette case.....\$6.40



"Van-Chrome" Multihex Box Wrenches

10° and 15° Angle Patterns

Drop Forged from Chrome Molybdenum Steel

Easy knuckle clearance of an offset wrench, with the accessibility of a straight wrench applying a direct, powerful pull on the nut. Either side of the wrench may be used, and they have different 12-point openings in each head with extra thin side walls.

Made with two different degrees of offset heads—the Short Pattern 15° and the Long with 10° angle heads—and they are available in all the popular opening sizes. Smoothly ground all over and double plated in satin nickel with the heads brightly polished.

SHORT 15° PATTERN

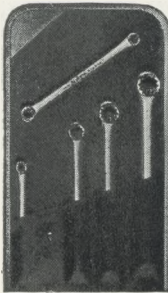
Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and CapScrews	Length	Net Price Each
6723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	4	\$.64
6725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	4½	.68
6727A	$\frac{5}{8}$ & $\frac{11}{16}$	..... $\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	5	.75

LONG 10° PATTERN

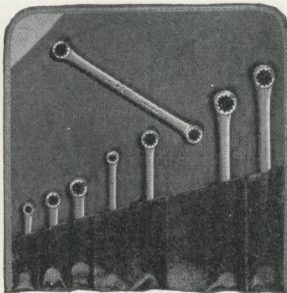
5723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	..... $\frac{1}{4}$	6¾	\$.73
5725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	7½	.86
5727	$\frac{5}{8}$ & $\frac{11}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	8¾	.94
5729	$\frac{11}{16}$ & $\frac{13}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	.....	.....	10	1.05
5731A	$\frac{3}{4}$ & $\frac{7}{8}$	..... $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{5}{8}$	11½	1.28

EXTRA LONG—¾" OFFSET—50° ANGLE

NO. 251, 12-point openings, ¾" and 1½". Length 15". Weight 1 lb.
NET PRICE, each.....\$2.18



SET NO. 5720



SET NO. 5721



SET NO. 3703

"Van-Chrome" Box Wrench Sets

10° and 15° Patterns

"Van-Chrome" Multihex Box Wrenches in the Short 15° and the Long 10° patterns are also available in set combinations of the most necessary sizes.

SET NO. 5720 consists of 5 Long 10° Angle Box Wrenches, Nos. 5723, 5725B, 5727, 5729 and 5731A.

NET PRICE, in box.....\$4.51; in leatherette case.....\$5.14

SET NO. 5721 is a complete assortment, carrying 1 each Nos. 6723, 6725B, 6727A, 5723, 5725B, 5727, 5729 and 5731A.

NET PRICE, in box.....\$6.44; in leatherette case.....\$7.42

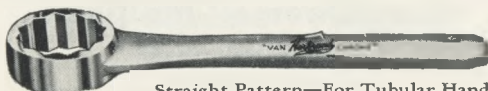
SET NO. 3703, one each of the 3 Short Patterns, Nos. 6723, 6725B and 6727A.

NET PRICE, in box.....\$1.92; in leatherette case.....\$2.27

"VAN-CHROME" HEAVY DUTY BOX WRENCHES

Drop Forged from Chrome Vanadium Steel—Satin Nickel

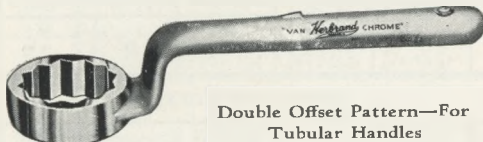
Super-powered for heavy nut turning work, these New Herbrand Wrenches will break loose or tighten large diameter nuts with a minimum of effort because of extra leverage, special design and toughness. Available in three practical designs for extra heavy service on trucks, buses, tractors, road machinery, steam shovels, railroads, ships, all heavy industrial machinery and structural work.



Straight Pattern—For Tubular Handles

Wrench No.	Size Opening	Head Thickness	Length	Shank Size	Net Price Each
923	1 1/4	1 1/16	8 1/2	7/8	\$2.17
924	1 3/16	1 1/16	8 1/2	7/8	2.81
925	1 3/8	1 1/16	8 1/2	7/8	3.41
926	1 7/16	1 3/16	8 1/2	7/8	3.41
927	1 1/2	1 3/16	8 1/2	7/8	3.75
928	1 5/8	1	10	1	4.27
929	1 3/4	1	10	1	4.54
930	1 15/16	1 1/16	10	1	4.65
931	1 7/8	1 1/16	10	1	5.62
932	2	1 1/8	11	1	5.62
934	2 1/4	1 1/2	10	1	6.11

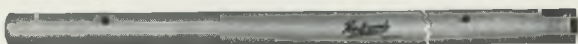
Nos. 923 to 927 take Handle No. 920. Larger sizes take No. 921.



Double Offset Pattern—For Tubular Handles

963	1 1/4	1 1/16	6 1/2	7/8	\$2.47
964	1 5/16	1 1/16	6 1/2	7/8	3.10
965	1 3/8	1 1/16	6 1/2	7/8	4.15
966	1 7/16	1 3/16	6 1/2	7/8	4.15
967	1 1/2	1 3/16	6 1/2	7/8	4.50
968	1 5/8	1	8	1	5.44
969	1 3/4	1	8	1	5.65
970	1 15/16	1 1/16	8	1	5.80
971	1 7/8	1 1/16	8	1	6.75
972	2	1 1/8	8	1	6.75
973	2 3/16	1 1/8	8	1	7.23
974	2 1/4	1 1/4	8	1	7.23

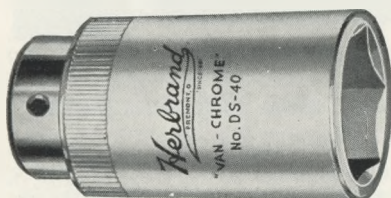
Nos. 963 to 967 for use with Handle No. 920. Larger sizes take No. 921.



TUBULAR HANDLES

Interchangeable for Use on All Heavy Duty Box Wrenches

Handle No.	Inside Diameter	Outside Diameter	Length	Net Price Each
920	7/8	1 1/8	24	\$3.41
921	1	1 1/4	30	4.69



EXTRA DEEP HEAVY DUTY SOCKET NO. DS-40

For Spring Clip U-Bolts

Hot Forged from Chrome Molybdenum Steel

Made extra deep and strong for tightening spring clip U-bolt nuts on International and

other trucks and buses. The extra depth allows coverage of both regular and locknuts and the extra strength prevents breakage.

It is the only wrench that permits the mechanic to engage the U-bolt nuts and properly tighten them, because an open end or box wrench does not afford the proper leverage or clearance. A necessity in every garage and spring-service station, since the spring clip U-bolts should be tightened on each inspection.

Equipped with 3/4" drive connection to fit any heavy duty handle. Six-point, 1 1/4" hex opening. Height 3 1/2". Weight 1 lb.

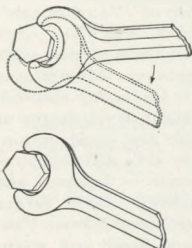
NET PRICE, each, \$2.33



"VAN-CHROME" ULTRA TAPPET WRENCHES

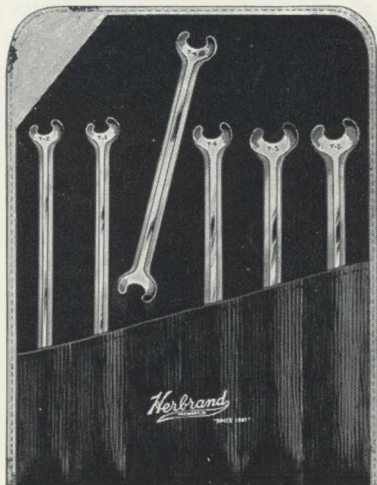
Self-Locating Thin Jaws

Drop Forged from Chrome Vanadium Steel



Dotted outline shows how rounded ends of the jaws automatically revolve the tool into working position making immediate engagement.

No pointed jaws extending beyond the nut to jam or interfere.



SET NO. T-75

Keeping pace with the march of progress in automotive engineering, Herbrand introduces the new and distinctive Ultra Tappet Wrenches. These modern wrenches offer unparalleled advantages of speed, clearance, strength and ease of operation. Note particularly the scientific construction of the self-locating jaws.

Sense of touch must be relied upon to engage the nuts on most tappets, because of locations that make them invisible. The parabola jaws of these wrenches are shaped to readily locate the nuts and automatically ride into position for a firm, positive grip, with absolute elimination of jamming. The heads are shaped to give increased accessibility and eliminate interference frequently encountered with the conventional tappet wrench. This unique jaw construction doubles the turning area of these wrenches. The extreme thinness of the jaws is scientifically balanced with the thickness of the tappet nuts for perfect control of this precision adjustment. The entire wrench is perfectly balanced, and the long handles are reinforced with a raised bar design for rigidity and comfortable grip.

The 9 1/2" lengths permit working clear of hot motors, and the pitch of the 15° angle jaws is correct to readily engage tappet nuts most conveniently and efficiently. These outstanding, modern Tappet Wrenches are drop forged from genuine Chrome Vanadium Steel, electrically heat treated and finished in lustrous triple plate with mirror polished heads.

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and CapScrews	Thickness Heads	Length	Net Price Each
T-1	1/16" & 1/2"	..... 1/4"	1/4" & 5/16"	1/4" & 5/16"	5/32"	9 1/2"	\$.83
T-2	1/2" & 9/16"	1/4".....	5/16" & 3/8"	5/16" & 3/8"	5/32"	9 1/2"	.94
T-3	9/16" & 5/8"	.....	3/8" & 7/16"	3/8" & 7/16"	5/32"	9 1/2"	1.03
T-4	5/8" & 1 1/16"	..... 3/8"	7/16".....	7/16".....	8/16"	9 1/2"	1.20
T-5	3/4" & 7/8"	..... 1/2"	1/2" & 5/8"	1/2" & 5/8"	3/16"	9 1/2"	1.20

SET NO. T-70, two each of Nos. T-2 and T-4. Weight 1 lb.

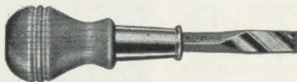
NET PRICE, in box.....\$3.99

NET PRICE, in pocket leatherette case.....\$4.41

SET NO. T-75, two each of Nos. T-2, T-4 and T-5. Weight 1 3/4 lbs.

NET PRICE, in box.....\$6.23

NET PRICE, in pocket leatherette case..... 6.86



TAPPET ADJUSTING SCREW DRIVER NO. 336T

Built special for valve adjustments on all overhead valve motors. Chrome Tungsten blade. Overall length 6 1/2". Blade 2 1/4".

NET PRICE, each.....\$.67



"VAN-CHROME" TAPPET WRENCHES

Double End—15° Angle

Drop Forged from Chrome Vanadium Steel



The super quality and design of "Van-Chrome" Tappet Wrenches have given them nation-wide acceptance. Maintaining their leadership through constant development of design and construction, they are still longer—thinner—lighter and tougher. Drop forged from Select Chrome Vanadium Steel and scientifically heat treated. Beautifully finished in permanent nickel with mirror polished heads and smooth satin grips.

SET NO. H-80

Wrench No.	Openings Milled	Thickness Heads	Length	Dealer Net Price Each
H-1	$\frac{3}{16}$ & $\frac{17}{64}$	$\frac{5}{16}$	7 $\frac{1}{4}$	\$.64
H-2	$\frac{3}{16}$ & $\frac{9}{16}$	$\frac{5}{16}$	8	.67
H-3	$\frac{3}{16}$ & $\frac{11}{16}$	$\frac{7}{16}$	8	.67
H-4	$\frac{3}{4}$ & $\frac{1}{8}$	$\frac{7}{16}$	9	.86

SET NO. H-80, two each of above wrenches, 8 in all, nickel finish.
NET PRICE, in box.....\$5.32; in pocket leatherette roll...\$5.81

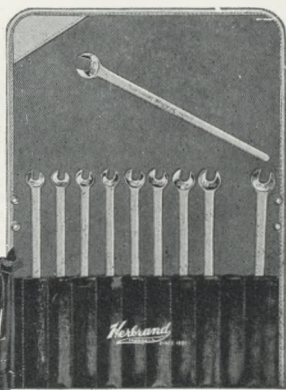


"VAN-CHROME" EXTRA LONG TAPPET WRENCHES

12 $\frac{1}{2}$ " Long—15° Angle—Single End

Drop Forged from Chrome Vanadium Steel

The mechanic who has burned his hands on a hot manifold when making tappet adjustments will appreciate these Extra Long Tappet Wrenches. The thin handles are 12 $\frac{1}{2}$ " long to clear the manifold, and provide maximum reach with positive control for precise adjustments. Heat treated their entire length for unfailing service. Satin nickel handles, brightly polished heads.



SET NO. LT-10

Wrench No.	Openings Milled	Thickness Heads	Length	Dealer Net Price Each
LT- 9	$\frac{3}{8}$	$\frac{3}{16}$	12 $\frac{1}{2}$	\$1.20
LT-11	$\frac{7}{16}$	$\frac{3}{16}$	12 $\frac{1}{2}$	1.20
LT-12	$\frac{1}{2}$	$\frac{3}{16}$	12 $\frac{1}{2}$	1.20
LT-13	$\frac{9}{16}$	$\frac{3}{16}$	12 $\frac{1}{2}$	1.20
LT-14	$\frac{5}{8}$	$\frac{3}{16}$	12 $\frac{1}{2}$	1.28
LT-15	1 $\frac{1}{16}$	$\frac{3}{16}$	12 $\frac{1}{2}$	1.28

SET NO. LT-6 contains one pair each of Nos. 12, 13 and 14.
NET PRICE, in box.....\$6.86; in pocket leatherette case...\$7.35
SET NO. LT-10 contains one pair each of sizes listed, except LT-9.
NET PRICE, in box.....\$11.48; in pocket leatherette case...\$12.04



New "Van-Chrome" Master Tappet Wrenches

Bar Design for
Rigid Strength
9 1/2" Long

Drop Forged from
Chrome Vanadium Steel

These new ultra-modern tappet wrenches are revolutionary in design, and have been painstakingly engineered to help mechanics do a superior type of work in less time and with the least effort.

The masterful design and efficiency of the new Master Tappet Wrenches is the result of long study and research in co-operation with mechanics in actual shop practice. The 9 1/2" length of all these wrenches is recommended by engineers as the proper length for general all-around tappet work. Thin and narrow pear-shaped heads of carefully-gauged thickness are scientifically balanced with the tappet nuts for speedy action. Openings are precision-machined to the correct depth to firmly grip the tappet nuts and permit the maximum turning radius without interference from the motor block.

The bar design of the panelled handles has been so scientifically blended into the heads that the extra strength and rigidity so much desired by mechanics is actually imparted to the wrench without clumsiness or unnecessary weight.

Perfectly balanced, they handle with ease the most delicate adjustments, yet have enduring strength, because they are drop forged from select chrome vanadium steel and heat treated to exacting standards.



SET NO. T-80

Wrench No.	Size Openings	For Hex. Cap Screws	For S.A.E. Nuts and CapScrews	Thickness Heads	Length	Net Price Each
T-21	1/16" & 1/8"	1/4" & 5/16"	1/4" & 5/16"	11/64"	9 1/2"	\$.90
T-22	1/8" & 9/16"	5/16" & 3/8"	5/16" & 3/8"	3/16"	9 1/2"	.97
T-23	5/8" & 1 1/16"	7/16" & 1/2"	7/16" & 1/2"	13/64"	9 1/2"	1.08
T-24	3/4" & 1 1/8"	1/2" & 5/8"	1/2" & 5/8"	7/32"	9 1/2"	1.16

SET NO. T-40, two each of Nos. T-22 and T-23.

NET PRICE, in box.....\$3.78; in leatherette roll.....\$4.13

SET NO. T-80, two each of Nos. T-21, T-22, T-23 and T-24.

NET PRICE, in box.....\$7.62; in leatherette roll.....\$8.22

Wing Bolt Socket No. 2145

For All Chrysler Built Cars

Forged from Chrome Molybdenum Steel

Broached with 6 perfectly fitting slots to remove wing bolts on late Chrysler-built cars and all other makes using wing bolts on valve cover plates. The wing bolts that hold the valve cover plate must be removed while very hot for adjusting tappets. This Special Slotted Socket is accurately broached with 6 slots to fit the wing bolts, and works with any ratchet or standard 3/8" drive socket wrench attachment.

Satin nickel finish, polished wall. 3/8" drive connection. Height 1 1/2". Weight 2 ozs.

NET PRICE, each.....\$.68



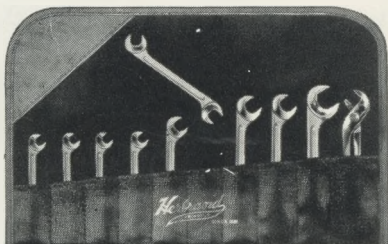
"VAN-CHROME" ELECTRICAL AND IGNITION WRENCHES



15° and 60° Angle Heads

Drop Forged from
Chrome Vanadium Steel

Feather lightness with amazing strength marks these wrenches as the handiest for tricky carburetor and ignition jobs. Different openings on each end, yet each size is duplicated on a separate wrench at a different angle. Designed for greater efficiency on magnetos, coils, ignition, distributors, ammeters, and all small nuts on radio and electrical appliances. Satin nickel with mirror bright heads. These wrenches are Drop Forgings—not stampings.



SET No. 99

Wrench No.	Openings Milled		Thickness Heads	Length	Dealer Net Price Each
	15° Angle	60° Angle			
*81	1 3/64	1 1/64	7/64	3	\$.56
†82	1 5/64	1 3/64	7/64	3	.56
‡83	1 7/64	1 5/64	7/64	3	.56
§84	1 1/4	1 7/32	7/64	3	.56
85	9/32	5/16	1/8	3 1/2	.60
§86	5/16	9/32	1/8	3 1/2	.60
87	1 1/32	3/8	9/64	4	.68
88	3/8	1 1/32	9/64	4	.68
89	7/16	1 1/2	1 1/64	4 1/2	.75

*For Ford Ignition. †Auto-Lite and Bosch. ‡Delco. §Remy. †Wagner and Remy.

SET NO. 97 contains one each Nos. 81, 82, 83, 84, 85, 86, 87.

NET PRICE, in flannel-lined leatherette roll.....\$4.13

SET NO. 99 contains the nine wrenches above and No. 167-N Plier.

NET PRICE, in flannel-lined leatherette case.....\$5.48

"VAN-CHROME" ELECTRICAL AND IGNITION PLIERS

Drop Forged from Chrome Vanadium Steel



NO. 167

Finger Tip Control Handles

Little giants of capacity and utility; small enough to slip into the vest pocket; thin enough to reach the smallest, most awkwardly placed nuts, yet sufficiently strong to last a lifetime. Serves a wide range of electrical, ignition and radio work.

Range 0" to 3/4", length 4 1/2", thickness 1/8", weight 2 ounces.



NO. 167 1/2

Full Grip Handles

NO. 167-N, hand polished nickel.
NET PRICE, each.....\$1.20

NO. 167 1/2-N, hand polished nickel.
NET PRICE, each.....\$1.24



ELECTRICAL SCREW DRIVERS

Insulated Handles

Perfect insulators and absolutely breakproof. Specially designed for electrical, radio and ignition work. The solid one-piece blades are forged from square stock and the tips are accurately ground to standard gauges.

Screw Driver No.	Length of Blade	Size Square Stock	Length Overall	Net Price Each
310	2	1/8	4 3/16	\$.37
311	3	1/8	4 3/16	.41
312	3	3/16	6 1/4	.67
313	6	3/16	9 1/4	.80
314	9	3/16	12 1/4	.86

SET NO. SD-5, one each of the above Electrical Screw Drivers.
NET PRICE, in flannel-lined leatherette kit.....\$3.25

"Van-Chrome" No. 98 Electrical and Ignition Set



SET NO. 98

insulated handle screw driver No. 310—the popular tools for electrical systems, appliances, radios and all small work.

NET PRICE, in flannel-lined leatherette roll.....\$5.67

Where delicate adjustments have to be made on tiny screws and nuts in awkward corners, this practical combination set of wrenches, plier, screw driver and feeler gauge keeps the correct tools at your finger-tips.

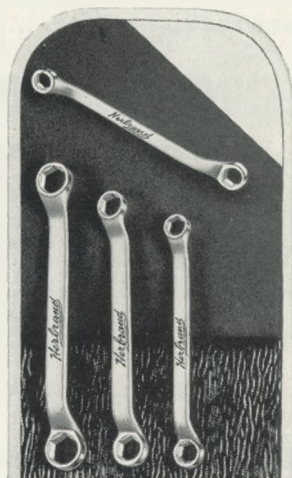
SET NO. 98 contains 5 drop forged (not stamped) open end wrenches, combining the 10 necessary sizes from $1\frac{1}{64}$ " to $\frac{1}{2}$ ", with 15° and 60° heads; the 10-blade feeler gauge; adjustable midget plier No. 167; and

"Van-Chrome" Midget Box Wrenches

For Electrical and Ignition Work

Drop Forged from Chrome Molybdenum Steel

Modern car service requirements have created a definite need for the Offset, Box Type Midget Wrenches because of the increasing inaccessibility and the short turning radius encountered when working on ignition systems, generators, carburetors, distributors, radios, electrical appliances, or for any other tiny nut adjustments. Herbrand Midgets are accurately broached with 6-point openings for perfect engagement of small nuts, and both ends are offset for easy clearance of obstructions. Lengths are correct for perfect balance. Plated, polished heads.



SET NO. 70



Wrench Number	Size Openings	Length	Weight per Doz. Ozs.	Net Price Each
71	$\frac{1}{32}$ $\frac{13}{64}$	$2\frac{7}{8}$	3	\$.75
72	$\frac{1}{16}$ $\frac{15}{64}$	$3\frac{1}{8}$	3	.75
73	$\frac{1}{8}$ $\frac{7}{32}$	$3\frac{5}{8}$	6	.75
74	$\frac{5}{16}$ $\frac{11}{32}$	$3\frac{3}{4}$	9	.75

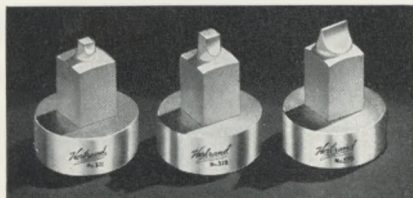
Midget Wrench Set No. 70

The eight opening sizes incorporated in this set of four Midget Box Wrenches are necessary to handle the popular sizes of small nuts. This compact little set is put up in a flannel-lined leatherette roll with an individual pocket for each tool.

SET NO. 70, containing one each of the above four wrenches, NET PRICE, in fibre box.....\$2.77; in leatherette roll.....\$3.08

Pole Piece Screw Drivers

Three Sizes Necessary for Generator and Starter Work
Chrome Vanadium Steel



The pole pieces in generators and starters must be driven in very tightly to eliminate the air gap between the housing and the pole piece. The screws are tightened to the limit to insure satisfactory performance, and it is impossible to remove them with an ordinary screw driver. Herbrand Pole Piece Screw Drivers remove the tightest screws with ease and without twisting out the slot or socket. A vise supplies the power and holds the bit in position. It is unnecessary to ease the pressure, because the pole piece moves inwardly off the screw. A new idea Revolving Screw Driver that is an absolute necessity in every shop doing generator and starter repairs. Any mechanic who has attempted to remove pole screws knows how tough this job is. Operation: place generator or starter in large vise, insert screw bit or socket in slot, apply vise pressure to hold bit in place, turn square shank of bit with wrench.

Available in three sizes and two types—the square socket bits for Fords, the screw driver type for other cars. Satin nickel finish. No. 370, screw driver bit. Nos. 371, $\frac{1}{4}$ " square; 372, $\frac{1}{2}$ " square.

NET PRICE, each.....\$1.55



Under-the-Dash and Electrical Screw Driver No. 309

This distinctive new screw driver is a sensation! It has an 8" pyralin handle, which is impervious to the transmission of electricity. Especially useful for under-the-dash service, because it definitely eliminates the possibility of short-circuiting or burning out fuses. Also useful for general electrical work, switchboards, radios, etc. The small blade, of $\frac{1}{8}$ " square stock, extends only $\frac{3}{4}$ " out of the handle.

NO. 309. NET PRICE, each.....\$.85



Long Blade Carburetor and Electrical Screw Driver No. 311A

Equipped with $\frac{3}{16}$ " x $2\frac{1}{4}$ " pyralin handle, it has a tungsten steel blade made from $\frac{1}{8}$ " square stock which is 6" long.

NO. 311A, length of blade 6", over-all length 8 $\frac{3}{4}$ ".

NET PRICE, each.....\$.60

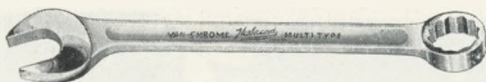


Ignition Point Files No. F-1

For Platinum and Tungsten Contact Points

The fine double-cut teeth of these tempered Chrome Tungsten Steel Files produce a perfect contact because they are clean, fast-cutting and get down between the points. A mechanic's precision tool of highest quality that will outwear numerous cheaper files. Smooth handles shaped for finger-tip control. Length of File 5".

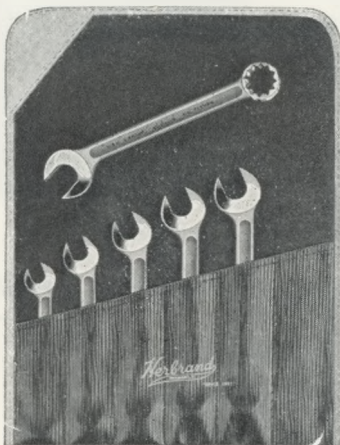
NET PRICE, each.....\$.15



"VAN-CHROME" MULTITYPE WRENCHES

Combination Box and Open End

Drop Forged from Chrome Vanadium Steel



SET NO. 1227

The new "Van-Chrome" Multitype is a dual-purpose wrench combining in one tool two types of openings—box and open end. The advantages instinctively appeal to every mechanic, because the handy and practical combination of different type openings equip him for most emergencies. If one style opening is not adapted to the particular job simply flip the wrench over and use the other end.

These general service wrenches find a wide range of use and are especially adaptable for carburetor, manifold, clutch, generator and starter work.

The box end, with its 12-point opening, is offset at 15° to give the proper clearance for obstructions and knuckles. The open end is angled at 22½° for

efficiency. Each end has the same size openings. Handles are panelled for a firm grip and ease of handling.

The twelve popular sizes in which these wrenches are made cover at least 90 per cent of general service work. Drop forged from special analysis Chrome Vanadium Steel, accurately machined and heat treated all over for super-strength. Finished in triple satin nickel with heads polished to a high lustre.

Wrench No.	Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts & Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	Net Price Each
1212	3/8	..	..	3/16	4 1/2		\$.75
1214	7/16	..	1/4	1/4	5	1 5	.82
1216	1/2	1/4	5/16	5/16	5 1/2	1 8	.90
1218	5/8	..	3/8	3/8	6	2 1	1.00
1220	5/8	..	7/16	7/16	6 1/2	2 10	1.08
1222	1 1/16	3/8	7/16	7/16	7	3 6	1.20
1224	3/4	..	1 1/2	1 1/2	7 1/2	4 6	1.30
1226	13/16	..	9/16	9/16	8 3/4		1.38
1228	7/8	3/4	5/8	5/8	10 1/2	6 2	1.50
1230	15/16	..	..	5/8	12 1/4	7 2	1.72
1232	1	..	3/4	..	14 1/2		2.00
1234	1 1/8	5/8	..	3/4	14 1/2		2.00
1236	1 1/8	..	7/8	..	17	. .	2.85
1240	1 1/4	3/4	1	7/8	17	. .	2.85
1242	1 5/8	..	..	..	19 1/2	. .	3.37
1244	1 7/8	..	1 1/8	..	19 1/2	. .	3.37
1246	1 7/8	7/8	..	..	19 1/2	. .	3.37

SET NO. 1225 contains one each of four sizes, Nos. 1214 to 1220.

Designed for general service use, this set is ideal for carburetor work on Ford, Chevrolet, Pontiac and many other cars.
Weight 12 ozs.

NET PRICE, in fibre box.....\$3.57; in pocket leatherette case...\$3.92

SET NO. 1227 contains one each of six sizes, Nos. 1214 to 1224.
Weight 1 lb. 6 ozs.

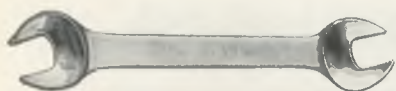
NET PRICE, in fibre box.....\$5.91; in pocket leatherette case...\$6.33

SET NO. 1229 contains one each of ten sizes, Nos. 1212 to 1230.

NET PRICE, in pocket leatherette case.....\$11.34

SET NO. 1231 contains one each of twelve sizes, 1212 to 1234.

NET PRICE, in pocket leatherette case.....\$15.12

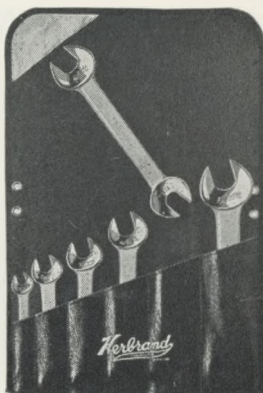


Automotive Wrenches

15° Angle Pattern

Drop Forged from Chrome Steel

The lightest, thinnest, longest and strongest wrenches of their type. Heat treated their entire length to give positive toughness and uniform durability. The pointed jaws and thin narrow heads reach into places where other wrenches can't. Will not break or spread under normal usage. Beautifully finished with satin nickel grips and mirror polished heads. Refinements in design increase their efficiency and accessibility.



SET NO. 1025

Automotive Wrench Selection Table

Wrench No.	Openings	Length	Thickness	Dealer Net Price
1721	$\frac{5}{16}$ ♂ $\frac{9}{16}$	5	$\frac{3}{16}$.49
1021	$\frac{5}{16}$ ♂ $1\frac{1}{16}$			
1722	$\frac{5}{16}$ ♂ $\frac{7}{16}$			
1723	$\frac{5}{8}$ ♂ $\frac{7}{16}$			
1023	$1\frac{1}{16}$ ♂ $1\frac{1}{2}$	$5\frac{3}{4}$	$1\frac{3}{64}$.56
1723A	$\frac{5}{8}$ ♂ $1\frac{1}{2}$			
1725	$\frac{7}{16}$ ♂ $1\frac{1}{2}$	$6\frac{1}{2}$	$1\frac{3}{64}$.65
1725A	$\frac{7}{16}$ ♂ $\frac{9}{16}$			
1725B	$\frac{1}{2}$ ♂ $\frac{9}{16}$			
1025	$\frac{1}{2}$ ♂ $1\frac{9}{16}$			
1726	$\frac{1}{2}$ ♂ $\frac{5}{8}$	$7\frac{1}{4}$	$1\frac{3}{64}$.80
1727	$\frac{9}{16}$ ♂ $\frac{5}{8}$			
1027	$1\frac{1}{16}$ ♂ $1\frac{1}{16}$			
1027C	$\frac{9}{16}$ ♂ $1\frac{1}{16}$			
1027F	$\frac{5}{8}$ ♂ $1\frac{1}{16}$	$8\frac{3}{16}$	$1\frac{3}{64}$.95
1728	$\frac{9}{16}$ ♂ $\frac{3}{4}$			
1028S	$\frac{5}{8}$ ♂ $\frac{3}{4}$			
1729	$\frac{5}{8}$ ♂ $\frac{3}{4}$			
1029	$1\frac{1}{16}$ ♂ $\frac{3}{4}$	$9\frac{3}{8}$	$2\frac{3}{64}$	1.25
1030	$1\frac{1}{16}$ ♂ $\frac{7}{8}$			
1731	$\frac{3}{4}$ ♂ $1\frac{1}{16}$			
1731A	$\frac{3}{4}$ ♂ $\frac{7}{8}$			
1031	$2\frac{1}{16}$ ♂ $\frac{7}{8}$	$10\frac{3}{4}$	$2\frac{7}{64}$	1.70
1731B	$1\frac{1}{16}$ ♂ $\frac{7}{8}$			
1033A	$\frac{7}{8}$ ♂ $1\frac{5}{16}$			
1033	$\frac{7}{8}$ ♂ $1\frac{1}{2}$			
1733	$\frac{7}{8}$ ♂ 1	$12\frac{1}{4}$	$3\frac{1}{64}$	2.25
1033C	$1\frac{1}{16}$ ♂ 1			
1034	$\frac{7}{8}$ ♂ $1\frac{1}{16}$			
1034A	$1\frac{1}{16}$ ♂ $1\frac{1}{16}$			
1734	$\frac{7}{8}$ ♂ $1\frac{7}{8}$	$12\frac{1}{4}$	$3\frac{1}{64}$	2.25
1035	$1\frac{1}{16}$ ♂ $1\frac{1}{16}$			
1735	1 ♂ $1\frac{1}{8}$			
1736	1 ♂ $1\frac{1}{4}$			
1037	1 $\frac{1}{16}$ ♂ $1\frac{1}{4}$	$12\frac{1}{4}$	$3\frac{1}{64}$	2.25
1737	1 $\frac{1}{8}$ ♂ $1\frac{1}{4}$			

Set No. 1025

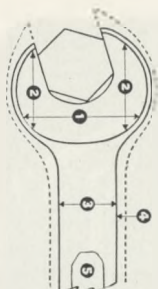
SET NO. 1025 contains one each of Nos. 1723, 1025, 1027C, 1028S, 1731A and 1033C.

NET PRICE, in box.....\$5.39; in pocket leatherette case...\$6.02

Set No. 1025A

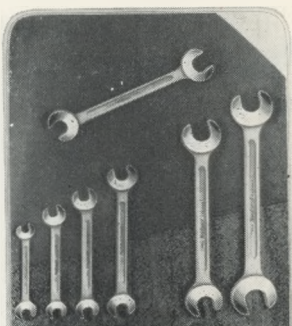
SET NO. 1025A contains one each of Nos. 1721, 1723, 1025, 1725B, 1727, 1029, 1729, 1731B and 1033C.

NET PRICE, in leatherette roll....\$8.08; in fibre box.....\$7.31

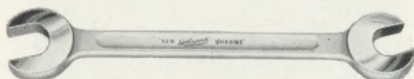


New Ultra Open End Wrench compared with conventional type shown by dotted lines.

1. Narrow Heads.
2. Short Jaws.
3. Slender Handles.
4. Thick Rounded Handle Edges.
5. Recessed Panel.
6. Dotted Outline Shows Ordinary Wrench.



SET NO. 1420



NO. 1423

"Van-Chrome" Automotive Ultra Open End Wrenches

New—Modern—Maximum Turning Radius
Drop Forged from Chrome Vanadium Steel

Definitely the last word in 15° Angle Open End Wrenches, they are individually drop forged from round bar stock of select Chrome Vanadium Steel, exactly heat treated through and through and from end to end for durability under all conditions. Smoothed all over and plated with mirror polished heads.

The diagram illustration shows how the new Ultra Open End Wrenches provide the maximum turning radius when working in confined quarters. Unlike conventional wrenches, there are no long jaws extending beyond the head of the nut to interfere with the movement of the wrench. The reduction in the width of the heads also increases accessibility to the maximum and eliminates interference frequently encountered with ordinary wrenches. The geometric design of the head is based upon the circle principle, and the narrow handle, with the small radii connecting the head to the handle, gives the additional turning radius so essential when working in confined places.

Each head diameter of these 15° angle wrenches is perfectly related to its respective opening, and the handle lengths are graduated to conform. The jaws are the correct thickness, the milled openings are the proper depth for secure engagement of nuts, and the entire wrench is perfectly balanced, offering the mechanic the finest Open End Wrenches for modern automotive application.

The combinations of openings have been carefully selected after thorough research of the mechanic's needs and provide the correct sizes for the widest range of service. Narrow handles contribute to greater clearance, and the rounded edges are easy on the hands. Any nut or bolt that these modern new wrenches engage will turn to the maximum.

15 Deg. Angle Pattern

Wr. No.	Size Openings	For S.A.E. Nuts and Cap Screws	Head Thickness	Width Heads	Length	Weight per Doz. Lbs. Ozs.	Net Price Each
1423	$\frac{3}{8}$ ♂ $\frac{7}{16}$	..... $\frac{1}{4}$	$\frac{7}{32}$	$2\frac{5}{32}$ ♂ $2\frac{5}{32}$	$4\frac{5}{8}$	1 ..	\$.60
1425	$\frac{1}{2}$ ♂ $\frac{9}{16}$	$\frac{5}{16}$ ♂ $\frac{7}{8}$	$\frac{1}{4}$	$1\frac{1}{32}$ ♂ $1\frac{1}{16}$	$5\frac{7}{8}$	2 ..	.75
1427	$\frac{9}{16}$ ♂ $\frac{5}{8}$	$\frac{3}{8}$ ♂ $\frac{7}{16}$	$\frac{9}{32}$	$1\frac{3}{16}$ ♂ $1\frac{5}{16}$	7	2 12	.90
1429	$\frac{5}{8}$ ♂ $1\frac{1}{16}$	..... $\frac{1}{2}$	$\frac{5}{16}$	$1\frac{5}{16}$ ♂ $1\frac{7}{16}$	$8\frac{1}{4}$	4 ..	1.08
1431	$\frac{3}{4}$ ♂ $\frac{7}{8}$	$\frac{1}{2}$ ♂ $\frac{9}{16}$	$1\frac{1}{32}$	$1\frac{19}{32}$ ♂ $1\frac{27}{32}$	$9\frac{1}{2}$	6 12	1.42
1431A	$\frac{3}{4}$ ♂ $1\frac{1}{8}$	$\frac{1}{2}$ ♂	$1\frac{1}{32}$	$1\frac{19}{32}$ ♂ $1\frac{27}{32}$	$9\frac{1}{2}$	6 12	1.42
1433	$1\frac{1}{16}$ ♂ 1	$\frac{5}{8}$ ♂ $1\frac{1}{16}$	$\frac{3}{8}$	$1\frac{31}{32}$ ♂ $2\frac{1}{8}$	$10\frac{3}{4}$	11 ..	1.83
1435	$1\frac{1}{16}$ ♂ $1\frac{1}{8}$	$\frac{3}{4}$ ♂	$1\frac{1}{32}$	$2\frac{1}{4}$ ♂ $2\frac{11}{32}$	12	15 4	2.48

SET NO. 1420, 1 each of Nos. 1423, 1425, 1427, 1429, 1431, 1433 and 1435. Weight 3 lbs. 8 ozs.

NET PRICE, in fibre box.....\$8.50; in leatherette case.....\$9.10

Extra Long Wrenches, 22½ Deg. Angle Heads

241	$\frac{3}{4}$ ♂ $\frac{7}{8}$	$\frac{1}{2}$ ♂ $\frac{9}{16}$	$\frac{1}{2}$	$1\frac{19}{32}$ ♂ $1\frac{15}{16}$	15	12 12	\$2.33
242	$1\frac{1}{16}$ ♂ $1\frac{1}{8}$	$\frac{5}{8}$ ♂ $\frac{3}{4}$	$\frac{1}{2}$	$1\frac{31}{32}$ ♂ $2\frac{3}{16}$	16	19 8	2.48
243	1 ♂ $1\frac{1}{8}$	$1\frac{1}{16}$ ♂	$1\frac{1}{2}$	$1\frac{31}{32}$ ♂ $2\frac{9}{16}$	16	19 8	2.48

Extra Long Wrenches do not have paneled handles.

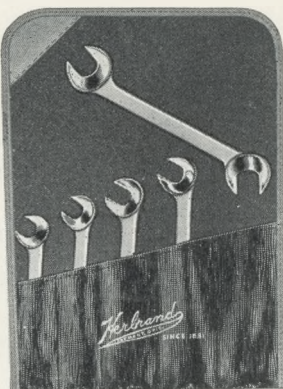


"VAN-CHROME" SPECIAL ANGLE WRENCHES

22 1/2° and 62 1/2° Heads

Drop Forged from Chrome
Vanadium Steel

New special angled wrenches of exclusive Herbrand design. The extra narrow pointed jaws give more clearance, which enables mechanics to work freely in places where ordinary wrenches can't go. Each end has the same size opening, one angled at 22 1/2°, the other at 62 1/2°, which is an innovation. These wrenches not only function better on general service but handle both major and minor brake adjustments on all cars.



SET NO. 280

Drop forged from select Chrome Vanadium Steel, machined to precision limits and expertly heat treated to insure breakproof qualities. Satin nickel with heads brightly polished.

Wr. No.	Openings Milled	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and CapScrews	Thickness Heads	Length	Net Price Each
281	3/16	1/16	3/8	3/8	1/4	6 1/4	\$.90
282	1/8	5/8	7/16	7/16	1/4	6 1/4	.90
283	1/4	3/8	1/2	1/2	9/32	7 3/16	1.12
284	3/8	3/4	5/8	5/8	9/32	7 3/16	1.12
285	1/2	7/8	1	1	9/32	8 3/8	1.31

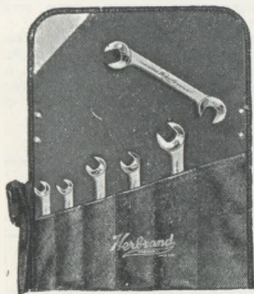
SET NO. 280 contains one each of above wrenches.
NET PRICE, in box.....\$5.00; in pocket leatherette case..\$5.50



"VAN-CHROME" OBSTRUCTO WRENCHES

45° and 90° Angle

Drop Forged from Chrome Vanadium Steel



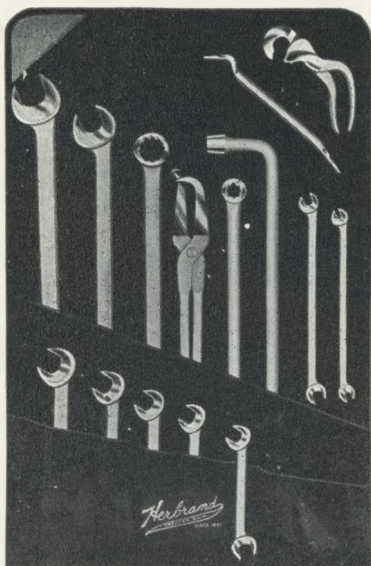
SET NO. 1836

Their unique design makes it possible to reach obscure nuts or bolts and saves many hours of trying labor. The thin heads and narrow, pointed jaws reach around obstructions and positively move hidden nuts in positions that ordinary wrenches cannot reach. The comfortable grips are finished in smooth, satin nickel, and the heads are polished to mirror brightness.

Wr. No.	Openings Milled	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and CapScrews	Thickness Heads	Length	Net Price Each
1821	3/16	1/16	3/8	3/8	1 1/64	5 1/2	\$.68
1823	1/8	5/8	7/16	7/16	1 1/64	5 1/2	.68
1825	1/4	3/8	1/2	1/2	1 1/64	6 1/2	.83
1827	3/8	3/4	5/8	5/8	1 1/64	6 1/2	.83
1829	1/2	7/8	1	1	1 1/64	7 1/2	.98
1831	3/4	1	1 1/2	1 1/2	1 1/64	7 1/2	.98

SET NO. 1836 contains one each of above wrenches.
NET PRICE, in box.....\$4.62; in pocket leatherette case..\$5.11

Brake Tool Section



BRAKE SET NO. BR-15

"VAN-CHROME" BRAKE SERVICE SETS

Not just an ordinary collection of tools, but a highly developed unit which constitutes the most complete set with the minimum number of pieces. Each wrench is designed for its particular job, with proper leverage, thinness and angles of heads to clear obstructions, enabling mechanics to adjust brakes quickly, easily and correctly on a profit producing basis. Includes tools for Bendix, Lockheed-Hydraulic, Midland Steeldraulic and others.

SET NO. BR-15 contains one each of fifteen brake tools, Nos. 183, 241, 243, 251, 261, 262, 271, 272, 281, 282, 283, 284, 285, 301 and 2333, which are illustrated and described on pages 38 to 41. Weight 8 lbs. 5 ozs.

NET PRICE, in box.....\$20.06; in leatherette case.....\$21.35

SET NO. BR-13, same as above assortment, minus the No. 183 and No. 272 pliers; thirteen tools in all.

NET PRICE, in box.....\$16.07; in leatherette case.....\$17.26



"VAN-CHROME" BOX WRENCH NO. 251 FOR BRAKE ADJUSTMENTS

Extra Long— $\frac{5}{8}$ " Offset—50° Angle

Drop Forged from Chrome Vanadium Steel

This wrench will clear obstructions and operate efficiently even where nuts are countersunk. It is designed for anchor studs on internal mechanical brakes and will also be found very useful for heavy-duty work on tractors and large trucks. Heat treated and finished in double satin nickel with brightly polished heads. The 12-point openings fit $\frac{5}{8}$ " and $\frac{3}{4}$ " S.A.E. nuts, also $\frac{3}{4}$ " U.S.S. nuts. The 15" length is very important. Twelve-point openings $1\frac{1}{16}$ " and $1\frac{1}{8}$ ". Length 15". Weight 1 lb.

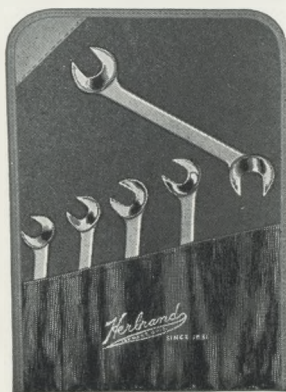
NET PRICE, each.....\$2.18



"VAN-CHROME" SPECIAL BRAKE WRENCHES

22½° and 62½° Angle Heads

Drop Forged from Chrome Vanadium Steel



SET No. 280

Engineered to handle with ease both major and minor adjustments on all makes of cars and trucks. Brake service specialists will immediately appreciate the super-efficiency of these unusually handy special angle wrenches. The extra narrow pointed heads insure clearance, and the slim handles enable mechanics to work easily in confined places. Each end has the same size opening, one set at 22½°, the other at 62½°, providing the highest efficiency for brake service work. Drop forged from Chrome Vanadium Steel and heat treated. Satin nickel, heads polished.

Wrench No.	Openings Milled	Length	Thickness Heads	Net Price Each
281	9/16" & 3/8"	6 1/4"	1/4"	\$.90
282	5/8" & 1/2"	6 1/4"	1/4"	.90
283	1 1/16" & 1 1/16"	7 7/16"	9/16"	1.12
284	3/4" & 3/4"	7 7/16"	9/16"	1.12
285	7/8" & 7/8"	8 3/8"	9/16"	1.31

SET NO. 280 contains one each of above wrenches. Weight 1 lb. 14 ozs.

NET PRICE, in box.....\$5.00; in pocket leatherette case..\$5.50



"VAN-CHROME" EXTRA LONG BRAKE WRENCHES

22½° Angle

Drop Forged from Chrome Vanadium Steel

Specially designed for anchor nuts on Bendix and other mechanical brakes, both external and internal, these wrenches have extra length to provide ample leverage for heavy service. To adjust brakes correctly, U bolts, shackle bolts and spring perch nuts must first be properly tightened, and these three wrenches will be found invaluable for this work. The extra long handles make it easy to work under cars, and they will be found useful for many other jobs requiring strong, extra leverage wrenches, especially on trucks and tractors. Finished in satin nickel with bright heads.

Wrench No.	Openings Milled	Length	Thickness Heads	Net Price Each
241	3/4" & 7/8"	15"	7/16"	\$2.33
242	1 5/16" & 1 1/16"	16"	1 1/2"	2.48
243	1" & 1 1/8"	16"	1 1/2"	2.48



ECCENTRIC BRAKE WRENCHES

Open End Type—15° Angle Heads

Drop Forged from Chrome Vanadium Steel

The two sizes of Herbrand Eccentric Break Wrenches carry the four necessary openings to adjust the eccentric cam on Bendix Internal Brakes. They are long, thin and strong, and handle this important adjustment easily. Satin nickel, polished heads.

Wrench No.	Openings Milled	Length	Thickness Heads	Net Price Each
261	$\frac{3}{16}$ & $\frac{1}{4}$	9	$\frac{1}{32}$	\$1.05
262	$\frac{3}{16}$ & $\frac{5}{8}$	9	$\frac{1}{32}$	1.05



ECCENTRIC BRAKE WRENCHES

Elongated Box Type Openings

Drop Forged from Chrome Vanadium Steel

Designed to fit the slab head on brake eccentrics and are the only wrenches of this type built. Available in six opening sizes to fit Bendix, Lockheed, and most truck and bus brakes. The unique offset makes it possible to hold the eccentric in exact position while the lock nut is being tightened. Satin plate, bright heads.

Wrench No.	Opening Broached	Length	Net Price Each
195	$\frac{3}{16}$ & $\frac{1}{4}$	5	\$.90
196	$\frac{5}{16}$ & $\frac{1}{16}$	6	.98
197	$\frac{3}{8}$ & $\frac{1}{2}$	6	.98



"VAN-CHROME" BRAKE ADJUSTING WRENCH NO. 2150

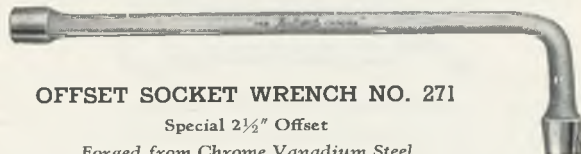
For Chrysler, Plymouth, DeSoto, Dodge

Drop Forged from Chrome Vanadium Steel

An extremely popular and necessary brake wrench that should be in every mechanic's set to service the brakes on all Chrysler-built cars, including latest models. The very deep $1\frac{1}{8}$ " hexagon opening takes a firm grip on the adjusting nuts, avoiding slippage, and the thin, narrow heads make them extremely efficient for fast work. Powerful leverage is provided by the 14" extra long handle.

Hexagon opening $1\frac{1}{8}$ ". Satin nickel finish, polished head. Extra long handle, 14". Weight 10 ozs.

NET PRICE, each.....\$1.24



OFFSET SOCKET WRENCH NO. 271

Special $2\frac{1}{2}$ " Offset

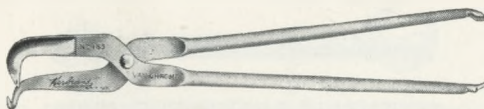
Forged from Chrome Vanadium Steel

Designed to fit the adjusting nuts on Bendix and Steeldraulic internal brakes for which it is the ideal tool. Also well suited for connecting rod service on Ford V-8. It is not guaranteed against breakage, because of the extreme thinness of the head walls. Finished in satin nickel plate with heads buffed bright. One end has a $2\frac{1}{2}$ " offset at a 90° angle.

Six-point openings, $\frac{3}{16}$ " and $\frac{5}{16}$ ". Length $11\frac{1}{2}$ ". Weight 13 ozs.

NET PRICE, each.....\$1.20

SEE PAGE 70 FOR FORD BRAKE WRENCHES



"VAN-CHROME" BRAKE SPRING PLIER NO. 183

13" Long for Heavy Duty Service

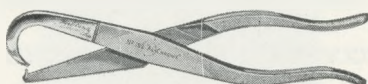
Drop Forged from Chrome Vanadium Steel

Here is a large size Brake Spring Plier with a generous capacity of jaw opening for the quick and easy removal and replacement of brake shoe springs on practically all cars equipped with internal brakes.

The sharp point of the goose-neck curve of the upper jaw anchors on the brake lining in a positive way, while the cork screw hook of the lower jaw pulls the spring into position readily. The ends of the handles have different forged notches—one end slips the upright springs into position on the stud, the other end removes them easily. Satin nickel with polished heads.

Length 13". Weight 11 ozs.

NET PRICE, each.....\$2.55



BRAKE SPRING PLIER NO. 182

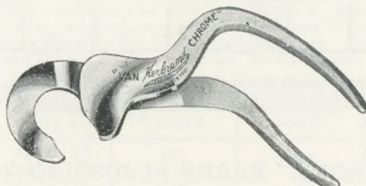
8½" Long

Drop Forged from Chrome Alloy Steel

Works efficiently on smaller springs where long handles would be awkward. Satin nickel finish with heads polished.

Length 8½". Weight 6 ozs.

NET PRICE, each.....\$1.50



STEELDRAULIC BRAKE PLIER NO. 272

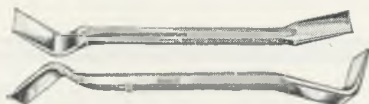
Special Curved Handles

Drop Forged from Chrome Alloy Steel

Designed to reach and get a positive hold on the knurled brake adjusting nuts used on various models of Auburn, Hupmobile, Oakland, Nash, Pontiac and other cars equipped with steeldraulic brakes. Finished in satin nickel plate with mirror bright heads.

Length 5½". Weight 5 ozs.

NET PRICE, each.....\$1.73



STAR NUT BRAKE TOOLS

Drop Forged from Chrome Alloy Steel

Clears obstructions such as shock absorbers and frame fittings easily. Thinner and wider contact points and that sensitive touch so necessary for locating and adjusting the cog screw on Bendix Brakes. Satin nickel with polished points. Length 8". Weight 4½ ozs.

NO. 301 for Bendix Brakes on most passenger cars and trucks.

NO. 302 for Bendix Brakes on Hudson and Essex cars.

NO. 303 special for 1938-39 Chevrolet and other cars having a narrow brake slot.

NET PRICE, each.....\$.60



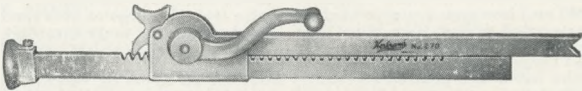
**"VAN-CHROME" HORSE-SHOE LOCK RING
PLIER NO. 186**

For Removing Horse-shoe Lock Rings
Drop Forged from Chrome Vanadium Steel

To make the mechanic's work easier this essential plier has been developed to spread the snap lock-rings used so widely today on brakes, transmissions, differentials, pedal shafts, clutch shafts, fan pulley shafts and especially adaptable for spreading brake keys when removing them from the assembly. It is almost impossible to spread these lock rings with a screw driver or other make-shift methods, because they are loose on the shaft and turn easily. This new Plier is the only tool that spreads the ends readily, and is especially adaptable for lock rings used on Chrysler hydraulic brakes.

Toothed on the outside of the jaws to prevent any possibility of slipping, this Plier will spread any lock washer up to $1\frac{1}{4}$ " diameter. The handles are knurled for positive grip.

Finished in satin nickel with polished heads. Length $8\frac{1}{4}$ ". Weight 12 ozs.
NET PRICE, each.....\$1.69

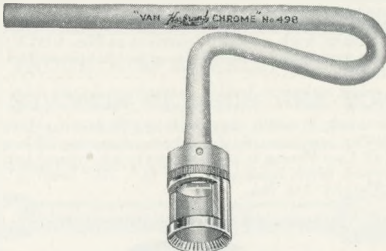


BRAKE PEDAL DEPRESSOR NO. 270

Automatic Lock—Ratchet Action Handle
For Brake Adjustments on All Cars

The necessary Jack for brake adjustments. A "One-Man" Tool that depresses the brake pedal and holds it at any required position. The smooth-running rack and pinion are operated by a ratchet crank that locks automatically. When floor boards interfere with a full turn of the crank a simple outward pull on the handle brings the ratchet action into play and the adjustment is made freely with a half or quarter turn. This tool may also be used to hold up the oil pan while bolts are being replaced, to test the looseness of main bearings and to lift the weight of flywheel or crankshaft.

Satin finish. Adjustable length, $15\frac{1}{2}$ " to 25" Weight $2\frac{3}{4}$ lbs.
NET PRICE, each.....\$3.35



**"VAN-CHROME" BRAKE SPRING CUP LOCK
REMOVER NO. 498**

For Bendix and Lockheed Brakes

The brake shoe hold-down springs on hydraulic brakes have a retaining cup lock washer that is very difficult to remove and replace. A simple twist of the wrist with this special cut-away socket removes them easily and without loss of parts or injury from flying springs.

The socket has a bevelled opening properly toothed to firmly grip the washer and turn it without slipping. One side is cut away to give the operator perfect vision. Any Junior handle will fit the $\frac{3}{8}$ " drive end of the socket, which is equipped with a ball and spring lock-on feature, but the No. 495-B T handle illustrated makes a complete unit and is recommended for highest efficiency.

NO. 498, Socket and Handle complete.

NET PRICE, each.....\$1.15

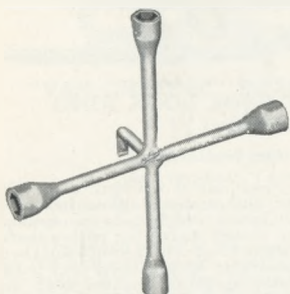
NO. J-43, Socket only.

NET PRICE, each......71

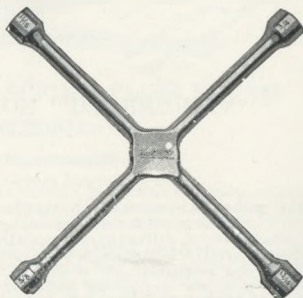
NO. 495-B, Handle only.

NET PRICE, each......60

Tire Tool Section



NO. 1055X



NO. 1051X and 1052X

FOUR-WAY RIM WRENCHES—NEW SERIES

Chrome Vanadium or Carbon Steel

Extra Long for Wide Fender Clearance

DROP FORGED IN ONE PIECE—NO WELDS

The modern car, with its wide apron fenders, requires this extra size 4-Way Rim Wrench for clearance and to safeguard knuckles. Extra speed and leverage are provided with the 15-inch reach of this specially constructed 4-Way Rim Nut Tool. Solid, one-piece drop forging with no riveted or welded parts to loosen, bend or break. It has extra deep, solid forged sockets that fit down snugly over the nuts, and the backs of the heads are tapered to readily clear on all types of wheels. Heat treated from end to end, smoothly ground and attractively finished in satin nickel.

Openings $\frac{5}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{16}$ " and $\frac{7}{8}$ ". Length 15". Weight 2 lbs. 12 oza.

Available in Two Types:

NO. 1051X is drop forged from special Analysis High Carbon Steel. No. 1052X is a new, solid drop forged, Chrome Vanadium Steel Wrench that is light in weight and amazingly strong.

NO. 1051X, Carbon Steel, satin nickeled.

NET PRICE, each.....\$1.20

FOUR-WAY RIM WRENCH NO. 1052X

NO. 1052X is drop forged from Chrome Vanadium Steel. Heat treated from end to end, smoothly ground, finished in triple satin nickel with polished sockets.

NET PRICE, each.....\$2.60

FOUR-WAY RIM WRENCH NO. 1050X

DROP FORGED SOLID—NO WELDS

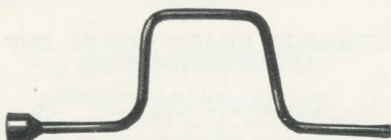
Has the same efficient high quality features as No. 1051X illustrated, and the same opening sizes, but has 13" length. Satin nickel. Wgt. $2\frac{1}{4}$ lbs.

NET PRICE, each.....\$1.40

RIM WRENCH AND HUB CAP REMOVER NO. 1055X

Four-Way Rim Wrench with easy hub cap removing feature. Perfectly designed to pull the cap instantly without marring either the cap or the wheel. The Hub Cap Prong is permanently anchored into the one-piece Wrench. Equipped with openings $\frac{5}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{16}$ " and $\frac{7}{8}$ ". Satin nickel. Length 13". Weight $2\frac{1}{4}$ lbs.

NET PRICE, each.....\$1.31



FORGED BRACE RIM WRENCHES

Solid forged sockets and deep liberal $5\frac{1}{4}$ " throw to produce powerful leverage. Extra long shank for clearance available as follows, length $15\frac{1}{4}$ ":

With Plain Handle

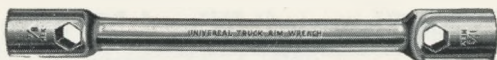
NO. 1110, $\frac{5}{8}$ "; NO. 1111, $1\frac{1}{16}$ "; NO. 1112, $\frac{3}{4}$ "; NO. 1113, $1\frac{1}{8}$ "; NO. 1114, $\frac{7}{8}$ ".

NET PRICE, each, satin nickel.....\$.45

With Double Socket

NO. 1213, $\frac{3}{4}$ " socket on one end and $1\frac{1}{16}$ " on the other. Length 17".

NET PRICE, each, satin nickel.....\$.45



NO. 1150B



NO. 1150A



NO. 1150C

UNIVERSAL TRUCK RIM WRENCHES AND SETS

Eight Opening Sizes—Forged Solid—No Welds—Satin Nickel

These wrenches never fail. They carry the combination of eight openings (two square openings inside of the hex sockets). No. 1150A is adaptable to Ford and No. 1150B to Chevrolet Dual Wheels because the proper combination of openings are grouped in the individual bars.

Forged solid with extra deep sockets. Heat treated throughout to withstand gruelling punishment. The 20" hex handle slides through the opening in each wrench, acting as a T handle and creating a powerful leverage that starts the most stubborn nuts easily.

Satin nickel finish. Weight of set complete, 12½ lbs.

NO. 1150A, 15 ⅞" long; has openings 1½" hex, 1⅛" hex and 1⅜" sq.
NET PRICE, each.....\$1.60

NO. 1150B, 15 ⅞" long; has openings 1¼" hex, ⅞" hex and ⅝" square.
NET PRICE, each.....\$1.50

NO. 1150C, 20" long, leverage bar; has 1⅛" hex opening.
NET PRICE, each.....\$1.12

SET NO. 1150T, one each of above, 3 pieces in all.

NET PRICE, complete.....\$3.92

NO. 1150D, 15 ⅞" long; has openings ⅞" hex and 1⅛" hex. An ideal combination for rim work on International trucks. Forged from Chrome Alloy Steel, because extra thin heads are necessary for clearance.
NET PRICE, each.....\$1.80

NO. 1150E, 20" long, leverage bar; has a 1⅜" hex opening. Necessary to service motor wheel rims, Reo, Federal, G.M.C., etc.
NET PRICE, each.....\$1.12

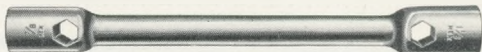
SET NO. 1152T, complete with one each of wrenches 1150A, 1150B, 1150D and leverage bar 1150E. Weight 16 lbs.
NET PRICE, complete.....\$5.53



FORD TRUCK RIM WRENCH SET NO. 1152F

Equipped with the three necessary socket opening sizes, 1⅛" hex, 1½" hex and 1⅜" square in the base of the 1⅛" hex socket to fit Budd wheels, making it a complete rim nut wrench for all Ford trucks. The 20" hexagon leverage bar is supplied as a part of this set.

NET PRICE, complete.....\$2.27



CHEVROLET TRUCK RIM WRENCH SET NO. 1152G

Socket openings, ⅝" square, ⅞" hex and 1¼" hex, to service all Chevrolet Dual Wheels. A 20" leverage T bar is included.

NET PRICE, complete.....\$2.27



INTERNATIONAL TRUCK RIM WRENCH SET NO. 1152 I

Hexagon openings of ⅞" and 1⅛". Forged from Chrome Alloy Steel, because extra thin heads are necessary for clearance. A 20" hex leverage bar and T handle are included.

NET PRICE.....\$2.55

"Van-Chrome" Wheel Mouter No. 1151

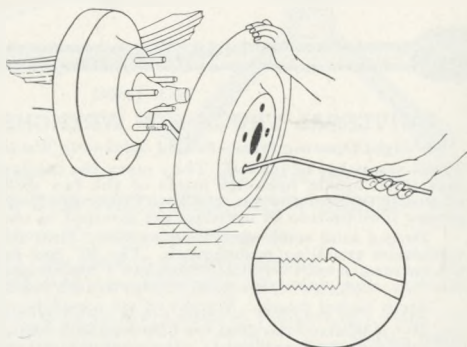


Patent No. 1,969,232. Other patents granted and pending.

For Mounting and
Demounting All
Truck and Bus
Wheels

Drop Forged from
Chrome
Molybdenum Steel

Any official or service man connected with truck or bus lines knows the tremendous expense involved in changing wheels. Delayed schedules, damaged studs, over-exertion and physical strain — all these costly hazards are overcome with this revolutionary newly patented tool. With it the biggest and heaviest truck or bus wheels can be easily and quickly mounted or demounted by one man without bruising studs or endangering the operator. It lines up wheels with the studs for securing nuts and insertion of hub collars.



The two flanges on the bottom side of the pilot end are accurately forged to perfectly engage the threads on the studs without mutilation. These flanges rock firmly or pivot between the threads, handling extreme weight without resting on the threads, and avoid slipping or fumbling. The smoothly ground, accurately curved pilot slowly but positively slides the wheel home without a jar or bang of any sort. This action lifts the wheel from the ground, gliding it inwardly and upwardly under the modern low dropped fenders, and puts it in place with perfect alignment. Drop forged from Chrome Molybdenum Steel and expertly heat treated to impart the great strength required.

No. 1151 Truck Wheel Mouter is designed to easily mount or demount all large, heavy wheels on trucks, trailers and buses.

For front and inside dual wheels: Insert Mouter Tool through bottom stud hole and balance wheel with free hand and foot.

For outside wheels: Use top holes and studs and gravity balance will provide perfect alignment. Pivot inside flange of tool on stud only when mounting front and inside Budd-type wheels. Use outside flange for all other purposes.

For G.M.C.-type wheels having holes the same size as the studs: Mount as above described, except when the wheel reaches the end of studs, push side of wheel opposite the Mouter over the end of the studs; lower Mouter, transferring weight to studs; remove Mouter; shove wheel home.

No. 1151 Truck Wheel Mouter is the Universal Tool for practically all large trucks, buses and trailers. It handles every wheel except the disc type having holes smaller than $\frac{3}{4}$ ". For these wheels use tool No. 1140.

Satin nickel finish. Length 26". Weight 3 lbs. 4 ozs.

NET PRICE, each.....\$1.75

"Van-Chrome" Heavy Duty Socket No. H-126

For Rim Service on Budd Wheels

Hot Forged from Chrome
Molybdenum Steel

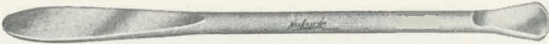
$\frac{3}{4}$ " Drive— $1\frac{1}{16}$ " Square Opening

The nuts on Budd wheels require the use of this heavy duty socket to permit the use of heavy duty handles that provide the necessary leverage for wheel work. Will fit any heavy duty socket handle or extension.

NO. H-126, 8-point, $1\frac{1}{16}$ " square opening.

NET PRICE, each.....\$1.25





SPOON TYPE TIRE IRONS

Straight Pattern

Drop Forged from Tool Steel

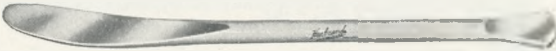
Herbrand's Master Tire Irons were designed by tire experts for tire service men. The broad, thin, paddle-shaped blade takes hold of a larger area, lifting the tire from the rim in a few easy strokes with a minimum of effort and time. The blunt handle end is designed to drive dual tires and rings on or off. These irons are extra strong for gruelling work. Finished in satin nickel plate. Weight 2 lbs.

NO. 1126, 18" long.

NET PRICE, each.....\$.90

NO. 1126T, truck size, 23" long.

NET PRICE, each.....\$1.10



SPOON TYPE TIRE IRONS

Curved Pattern

Drop Forged from Tool Steel

Master Tire Irons No. 1127 and No. 1126 are usually sold in pairs. The curved blade in combination with the straight one makes an unbeatable pair. They are perfectly balanced for ease of handling, and the broad blades avoid bruises and damage to the tire. Efficient on drop center rims. Satin nickel plate finish. Weight 2 lbs.

NO. 1127, 18" long.

NET PRICE, each.....\$.94

NO. 1127T, truck size, 23" long.

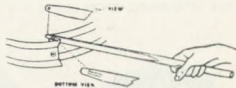
NET PRICE, each.....\$1.12



SPECIAL RIM AND TIRE IRON NO. 1125

Long Leverage

Drop Forged from Tool Steel



Shaped just right for efficient use and 20" long for extra leverage, this tool is exceptionally well balanced. An outstanding feature that all tire men will appreciate is the recessed grooves on the top and bottom of the working end. The round recess on the top hooks into the corner of the rim and holds it positively in place, while the elongated groove on the bottom hooks into the opposite corner of the rim and rides the two rim ends together. Makes tire changes easier and faster and eliminates the hazards of slipping. Satin nickel plate all over. Length 20".

NET PRICE, each.....\$.75

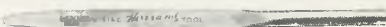


RING TOOL NO. 1120

Drop Forged from Tool Steel

A necessary tool for removing and replacing the lock rings on the various types of wheels on which these rings are standard equipment. Heat treated, smoothly ground and finished in satin nickel. Length 15½".

NET PRICE, each.....\$.71

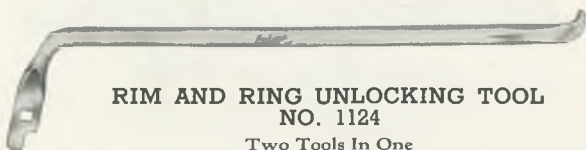


RIM AND TIRE TOOL NO. 1121

Drop Forged from Tool Steel

Practically all types of rims are unlocked with this tool. It also makes a handy iron for all tire changes. Heat treated throughout, ground smooth and finished in satin-plated nickel all over. Length 15½".

NET PRICE, each.....\$.71



RIM AND RING UNLOCKING TOOL NO. 1124

Two Tools In One

Drop Forged from Chrome Alloy Tool Steel

Engineered for faster and easier rim work. One end is designed to quickly unlock or lock practically any type collapsible rim. The square hole is set in the proper place for engaging the locking device with greatest efficiency, and the 19" length provides ample leverage. The opposite end is forged into a speedy ring unlocking tool for the easy removal and replacement of retaining rings on wire, disc or Budd wheels. It is a double end tool that combines two tools in one.

Drop forged from $\frac{3}{4}$ " round Chrome Alloy Steel and extra powered by heat treatment throughout to stand up under hard usage. It is finished in attractive double satin nickel, which is rust resisting.

Length 19". Weight 2 lbs. 4 ozs.

NET PRICE, each.....\$1.00



"VAN-CHROME" SIDE RING TOOL NO. 1135

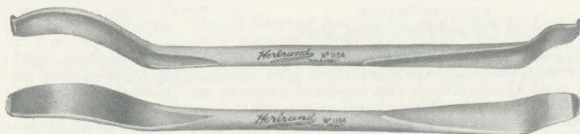
For New Firestone and Other Rims

Drop Forged from Chrome Molybdenum Steel

The latest Double End Tool for the easy removal of the continuous side rings used on Firestone RI, RH and other standard rims. The hook ends are shaped to positively engage the rings and wedge them from their seats with minimum effort. The heel of the tool creates a fulcrum that develops a powerful leverage under the pressure of the long bar. This two-in-one Ring Remover covers the broadest possible range of rim and ring work.

Length 20". Weight 1 lb. 2 ozs. Triple plated in satin nickel.

NET PRICE, each.....\$1.00



"NO-PINCH" TWIN TIRE IRONS NO. 1134

Revolutionary Design for Drop Center Rims

Drop Forged from Tool Steel

Used in pairs, these twin tire irons developed by Herbrand engineers have revolutionized tire service on drop center rims. All hazards of pinching tubes and stretching or distorting casings are eliminated.

Every mechanic knows that all too many tubes are pinched and casings distorted through the use of outmoded or makeshift tire irons. Actual statistics compiled in shop research show that two or three tubes are thus ruined in the average shop every week.

To overcome this increasing spoilage of tubes and damage to tires, Herbrand presents these "no pinch" twin tire irons, accurately engineered to fit the modern drop center rims now used so extensively on modern cars. They work with a degree of ease and safety never before achieved.

One end of these dual-use irons is for removing casings—the other end for replacing them—and each end is plainly marked "on" or "off" to facilitate application.

Acclaimed as the fastest and safest ever built. Once used by the mechanic, he will never be without them.

NO. 1134, length 18".

NET PRICE, each.....\$1.35

Tire Valve-Inside Extractor No. 176



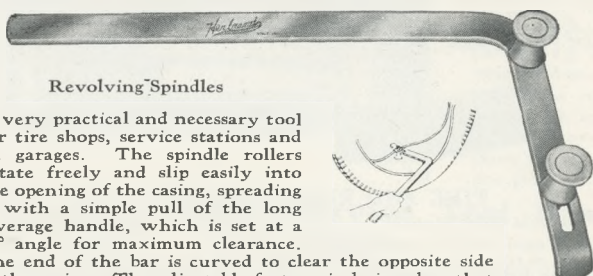
Pyralin Handle—Alloy Steel Blade

This handy little tool will save a lot of delays when valve insides break. They are very difficult to remove, but it gets them with ease.

Simply insert the special, square-pointed blade into the valve, and the broken stem will readily twist out. Also useful as an awl. Equipped with unbreakable pyralin handle. Length $4\frac{1}{2}$ ".

NO. 176. NET PRICE, each.....\$.40

Adjustable Tire Spreader No. 1128



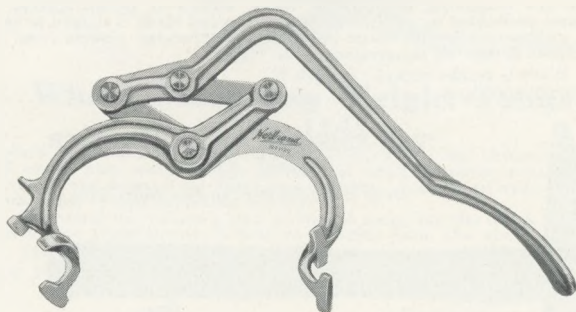
Revolving Spindles

A very practical and necessary tool for tire shops, service stations and all garages. The spindle rollers rotate freely and slip easily into the opening of the casing, spreading it with a simple pull of the long leverage handle, which is set at a 96° angle for maximum clearance.

The end of the bar is curved to clear the opposite side of the casing. The adjustable feature is designed so that the end roller may be set to spread tires from $5\frac{1}{2}$ " to $7\frac{3}{4}$ ". Satin nickel finish. Length $18\frac{1}{2}$ ". Weight 2 lbs. 12 ozs.

NET PRICE, each.....\$1.60

Dual-use Self-adjusting Tire Spreader No. 1129



Compound Action—Eight-to-one Leverage Power

For Car or Truck Tires

Whenever tires must be serviced, the dual-use tire spreader will be found invaluable. Compact, perfectly balanced, very light in weight, yet having abundant strength for spreading both truck and passenger car tires with negligible effort.

The cantilever action of the handle and compounded eight-to-one leverage provides tremendous power that spreads any tire up to $8\frac{1}{2}$ " opening. The connecting joint is eccentric and automatically locks the spreader in open position, leaving the operator's hands free for accurate and safe inspection. Positive gripping jaws at the working end of the tool hold with equal security on all passenger car and small truck tires. On the left arm of the spreader two jaws are provided: the lower for passenger car work; the upper specially designed for truck tires.

The unusual yet very practical features of this unique tool will be greatly appreciated by tire service mechanics. Slip the jaws into the casing, press down the handle, and the tool locks with the casing wide open for unobstructed examination.

NO. 1129, length, open position, $15\frac{1}{2}$ "; opening capacity, $8\frac{1}{2}$ ". Weight 3 lbs. 5 ozs.

NET PRICE, each.....\$3.65



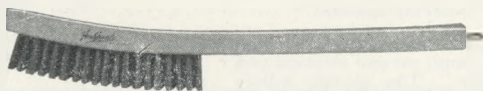
"VAN-CHROME" TIRE VALVE STEM WRENCHES

Drop Forged from Chrome Vanadium Steel

The thin, tapered heads of these wrenches are slotted to slip over any type valve stem nut, and operate easily where obstructions are close. The 12-point, box type openings take hold with a clean, positive grip that prevents slipping and damaging enamel on rims and spokes. They are especially efficient on wire wheels and permit maximum turning in the limited space between spokes. They assure quicker and easier tire changes and carry the popular combinations of openings. Satin nickel finish, mirror polished heads.

NO. 173, $\frac{1}{4}$ " and $\frac{3}{4}$ " openings. Length $6\frac{1}{2}$ ". Weight 4 ozs.
NET PRICE, each.....\$1.05

NO. 174, $\frac{3}{8}$ " and $1\frac{1}{8}$ " openings. Length $7\frac{1}{2}$ ". Weight $6\frac{1}{2}$ ozs.
NET PRICE, each.....\$1.20



TIRE AND RIM BRUSH NO. 1132

Carved Wood Handle

For Cleaning Rims and Casings

A good quality brush made of stiff, round steel wire. The 14" handle is curved to reach easily into the casings for cleaning. Handy for removing rust and dirt from rims and other metal parts. The brush part is 6" long.

Length 14". Weight 14 ozs. NET PRICE, each.....\$.38



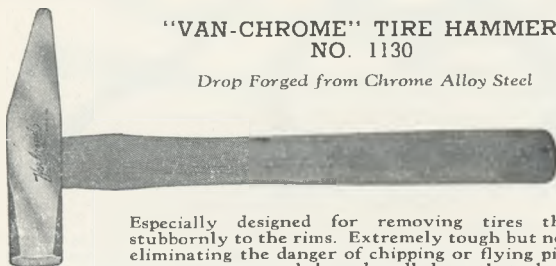
TIRE PRODDING AWL NO. 1131

Handfit Wood Handle

Ideal for removing glass, nails, tacks, stones or other objects that become embedded in tires. The broad, tapered blade is shaped to spread the rubber while the blunt point removes foreign objects from tires without danger of penetrating tube.

Blade is bright nickel. Length 7".

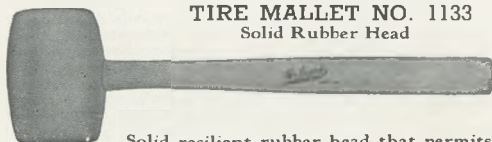
NET PRICE, each.....\$.25



"VAN-CHROME" TIRE HAMMER NO. 1130

Drop Forged from Chrome Alloy Steel

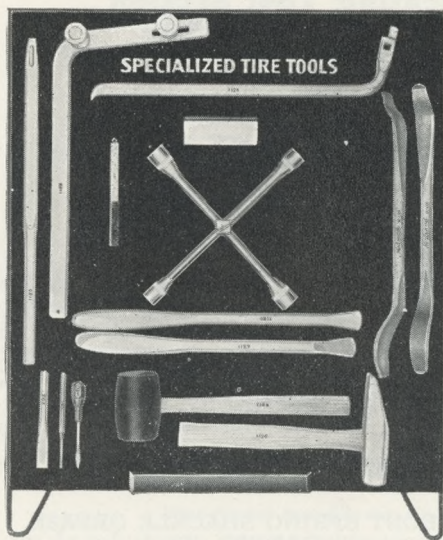
Especially designed for removing tires that cling stubbornly to the rims. Extremely tough but not brittle, eliminating the danger of chipping or flying pieces. All corners are rounded or bevelled so that they cannot damage tire or rim. The head is firmly anchored to the handle. Satin nickel. High quality hickory handle. Length 14". Weight $3\frac{1}{2}$ lbs.
NET PRICE, each.....\$1.95



TIRE MALLET NO. 1133 Solid Rubber Head

Solid resilient rubber head that permits its practical use where a metal hammer would cause damage. It is intended for tire changes, but is also popular for automotive body work, fender straightening and for use on materials that are subject to bruising and marring.

Length 15". Weight $1\frac{1}{2}$ lbs.
NET PRICE, each.....\$1.12



Tire service demands the utmost in speed. There never was a time when modern equipment was more vital to profits and success. Special tools to meet every tire service requirement are absolutely essential today.

These portable boards are fabricated from heavy gauge steel. They are strongly reinforced and supported on rigid legs. The round grip handle in the center permits carrying right to the job.

Specialized Tire Service Tool Board No. SS-14

NO. SS-14 Board carries an assortment of fifteen modern speed tools specially designed for easier and better tire changes and repair work:— Nos. 1124, 1125, 1126, 1127, 1128, 1130, 1131, 1132, 1133, 1051X, 443, 403 and 2 No. 1134, which are illustrated and described on pages 45 to 51.

Size of board 27" x 32". Weight, tools and board, 44 lbs.

NET PRICE, complete.....\$19.76



Wheel Balancing Weight Tongs No. 1145

Modern automobile wheels must be balanced to avoid shimmy, tramp and excess tire wear. High speeds and small diameter wheels have increased the demand for balancing weights, creating an ever-growing demand for wheel-balancing service.

Herbrand introduces a pair of special tongs for the quick and easy removal or replacement of balance weights from the rims.

The NO. 1145 will be found indispensable for this work.

NET PRICE, each.....\$1.70

No. 199 Differential Grease Ejector

Instantly Forces Out Grease
by Air Pressure

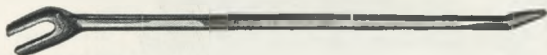
Heavy Gauge Copper—Standard
Air Line Fitting

To operate: remove filler plug, insert Ejector until tapered rubber plug seals the hole and apply air line to valve. The tapered Neoprene (grease and oil resisting composition) plug should be held firmly with one hand, and a receptacle to catch the grease should be provided before applying the air because the action is so speedy that the grease shoots out almost instantaneously.

Finished in satin nickel. Length 7". Weight 5 ozs. 1 to the box.

NET PRICE, each.....\$2.70

Lubricating Tool Section



ONE-MAN GREASE BAR NO. 190

For Frozen Shackles

Drop Forged from Tool Steel

Frozen shackles are quickly freed and thorough greasing becomes an easy, one-man job with this scientifically designed bar. The fork end fits over the spring and applies side pressure instead of end pressure, and is set at a 25° angle to give easy access to any type of spring. It clears the crankcase, muffler, fenders and grips three spring leaves, and eliminates the hazard of bending, distorting or otherwise damaging the shackles in an effort to force grease through the bushings. The long, thin pry end with the knurled base prevents slipping. Drop forged from $\frac{3}{4}$ " octagon tool steel, heat treated and finished in satin nickel.

Length 30" Weight 4 $\frac{3}{4}$ lbs.

NET PRICE, each.....\$2.00



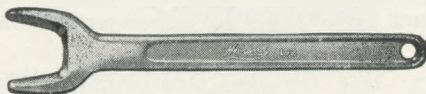
FRONT SPRING SHACKLE GREASE BAR NO. 191

Drop Forged from Tool Steel

Designed for quicker and more thorough lubrication of the front spring shackles. The head is placed at an angle of 90° to get around all obstructions and provide maximum handling efficiency. Satin nickel.

Length 20". Weight 3 $\frac{1}{2}$ lbs.

NET PRICE, each.....\$1.60



SPRING SHACKLE GREASING TOOL NO. 192

Drop Forged from Chrome Alloy Steel

Designed for prying Tryon Shackles with taper bushings. Briefly—this tool makes it a one-man job. Satin nickel finish.

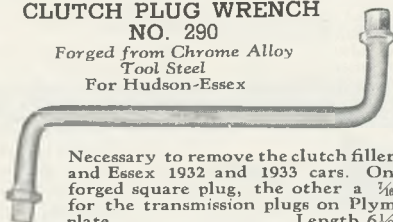
Length 11". Weight 10 ozs.

NET PRICE, each.....\$.83

CLUTCH PLUG WRENCH NO. 290

Forged from Chrome Alloy Tool Steel

For Hudson-Essex



Necessary to remove the clutch filler plugs on Hudson and Essex 1932 and 1933 cars. One end has a $\frac{3}{16}$ " forged square plug, the other a $\frac{1}{16}$ " hexagon. Ideal for the transmission plugs on Plymouth cars. Satin plate.

Length 6 $\frac{1}{2}$ ". Weight 6 ozs.

NET PRICE, each.....\$.49

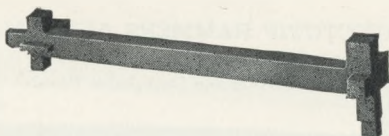


"VAN-CHROME" CRANKCASE DRAIN PLUG WRENCH NO. 2373

For 1939 Ford V-8 and Mercury

The crankcase drain plug on the 1939 Ford V-8 and Mercury is inaccessible and cannot be reached with an ordinary wrench. No. 2373 has a 6-point hexagon opening to perfectly fit the special plug, and it is designed with a unique bend to clear obstructions. The 11" handle provides ample leverage. Every service station, maintenance shop and garage needs this wrench.

NO. 2373. NET PRICE, each.....\$1.57



"VAN-CHROME" DRAIN PLUG WRENCH NO. 193

Ten Tools In One For All Female Plugs

Drop Forged from Chrome Alloy Steel

Combined in one wrench are the ten different sizes of lugs required to service all countersunk drain and filler plugs in the clutch, crankcase, transmission and differential on most automobiles and trucks. The lugs are forged accurately to size, assuring perfect fit. Provides powerful leverage to easily remove stubborn plugs. Satin nickel finish.

NET PRICE, each.....\$1.46



"VAN-CHROME" DRAIN PLUG WRENCH NO. 194

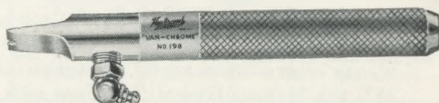
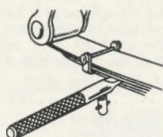
Seven Wrenches In One For All Male Plugs

Drop Forged from Chrome Alloy Steel

Fits the male plugs on crankcase, transmission and differential of practically all cars. Seven different 6-point and 8-point openings combined in one wrench, properly sized to fit all late models, including Ford, Chevrolet, Pontiac, Plymouth, Dodge, Buick, Studebaker, Olds and other makes. The openings are individually machined to precision limits, which insures a perfect fit and prevents mutilating or distorting plugs. Heat treated and finished in satin nickel.

Length 9". Weight 11 ozs.

NET PRICE, each.....\$1.43



STOP-SQUEAK SPRING LUBRICATOR NO. 198

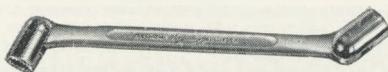
Universal For All Car Springs

The surest method of lubricating springs down to the last squeak! This inter-leaf system of oiling and greasing reaches the exact spot and lasts longer than spray oiling or any other method. Hours of time and aggravation cannot accomplish what this simple tool does in a few moments. Insert the wedge between the spring leaves, attach the grease gun to the conventional fitting, operate in the customary manner, and the grease is forced through the tool and out of the tapered end directly to the point of the squeak. Taking the weight off the springs by jacking the car up makes this simple operation even simpler, although this is not necessary to do a perfect job of greasing.

Machined from Chrome Molybdenum Steel, hardened and tempered for extra strength and finished in satin nickel. The finely tapered wedge readily separates the spring leaves, and the V-shaped opening is milled to the proper size to permit an easy flow of grease, which is forced through the standard grease gun fitting. The handle is deeply cross-knurled for a non-slip grip.

Length 5 3/4". Weight 7 ozs. Satin nickel finish.

NET PRICE, each.....\$1.40



"VAN-CHROME" CLUTCH PAN WRENCH NO. 6825

Swivel Heads

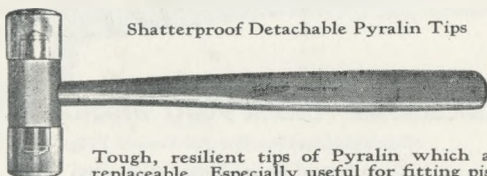
Drop Forged from Chrome Vanadium Steel

In the new Chrysler, Dodge, DeSoto and Plymouth it is necessary to remove the clutch plate to lubricate the throw-out bearings. Herbrand No. 6825 is best adapted to this purpose. It has swivel heads which adjust to any angle and 12-point openings of 3/8" and 1/2". Satin nickel, polished heads.

Length 8 3/4". Weight 8 ozs.

NET PRICE, each.....\$2.02

PROTECTOTIP HAMMERS AND MALLETS



Shatterproof Detachable Pyralin Tips

Tough, resilient tips of Pyralin which are easily replaceable. Especially useful for fitting piston pins, wrist pins, gears, bearings, tapping valves, ignition and distributor work. Made in three sizes. The center is nickel steel, with the best quality hickory handle which locks securely.

NO. 650 Hammer, 5-oz. Tips $\frac{3}{4}$ " diam.....	NET PRICE, each.....	\$1.27
NO. 651 Extra Pyralin Tips.....	NET PRICE, each.....	.41
NO. 652 Hammer, 8-oz. Tips 1" diam.....	NET PRICE, each.....	1.42
NO. 653 Extra Pyralin Tips.....	NET PRICE, each.....	.50
NO. 654 Hammer, 12-oz. Tips $1\frac{1}{16}$ " diam.....	NET PRICE, each.....	1.57
NO. 655 EXTRA Pyralin Tips.....	NET PRICE, each.....	.56

NO. 656 Mallet

The No. 656 Mallet is ideal for body and fender work and for changing tires without damaging beads.

NO. 656 Mallet, 2 lb. 6 ozs. 2" Faces.....	NET PRICE, each.....	\$3.32
NO. 657 Extra Pyralin Tips for No. 656.....	NET PRICE, each.....	.75



MULTITIP 4 IN 1 HAMMER
Four Interchangeable Tips

The head tips and handle are securely locked in the drop forged head with a special screw and lock washer. Inserting new tips is a matter of seconds and provides a new hammer for the mere cost of the tips. Weight with two tips $1\frac{1}{2}$ lbs. Nickel-plated head, hickory handle.

NO. 130, Multitip Hammer with one each of 4 different tips.	NET PRICE, complete.....	\$3.37
NO. 132 Extra Copper Tip.....	NET PRICE, each.....	.60
NO. 133 Extra Lead Tip.....	NET PRICE, each.....	.30
NO. 134 Extra Composition Tip.....	NET PRICE, each.....	.19
NO. 135 Extra Rubber Tip.....	NET PRICE, each.....	.15
NO. 131 Extra Pyralin Tips for No. 130.....	NET PRICE, each.....	.60



The rubber head is easily replaced when worn down, by pressing on a new head in a vise; use shellac or rubber cement

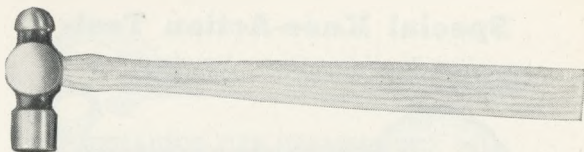
2-Way Hammer No. 1142

Perfectly Balanced—Even Weight Distribution

For Body, Fender, Tire Work and General Usage

Rebound is eliminated in this Dual-Use Hammer which has a small, tough, rubber head on one end and a drop forged steel head on the other. The weight of the heads is equally distributed, and it is so perfectly balanced that it has none of the bulk and clumsiness associated with mallets. The 2" face rubber head is equal to the weight of a $2\frac{1}{4}$ -pound mallet. The 14" handle gives tremendous hitting force. Machine, body and fender shops will find the 2-Way Hammer indispensable. It is very efficient for seaming sheet metal, drawing rivets, mounting tires, driving on rims without injury. 14" handle of first quality, second growth hickory. Weight $2\frac{1}{4}$ lbs.

NO. 1142, Hammer.	NET PRICE, each.....	\$3.00
NO. 1142H, Replaceable Rubber Head.	NET PRICE, each..	.80



Herbrand Ball Pien Hammers

Highest Quality—Full Finished

Drop Forged from Chrome Steel—Selected White Hickory Handles

Available in Eight Sizes

Good hammers are an indispensable necessity to any mechanic. Herbrand Hammers have been designed with a view to making them absolutely the most efficient on the market.

The heads are drop forged from a special analysis of chrome steel, individually double heat treated and oil tempered. The ball piens and faces are hand ground to a polished finish and tempered to an exact hardness for maximum wear. They will stand unusual service without spreading or chipping.

Handles are made from selected, first-quality, seasoned white hickory, with lengths carefully balanced for maximum hitting power and securely wedged to the heads so they will not come off.

Mechanics who appreciate a high-quality hammer will find Herbrand without an equal.

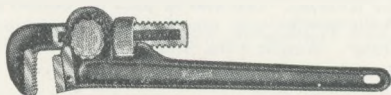
NO.	Weight	Net Price
BP-8	8 ozs.	\$1.10
BP-12	12 ozs.	1.15
BP-16	1 lb.	1.20
BP-20	1¼ lbs.	1.30

NO.	Weight	Net Price
BP-24	1½ lbs.	\$1.40
BP-32	2 lbs.	1.60
BP-40	2½ lbs.	1.80
BP-48	3 lbs.	2.00

Ball Pien Hammer Handles

No.	Net Price
BP- 8-H	.34
BP-12-H	.34
BP-16-H	.37
BP-20-H	.37

No.	Net Price
BP-24-H	.37
BP-32-H	.37
BP-40-H	.45
BP-48-H	.45



SUPER-STRENGTH PIPE WRENCHES

Drop Forged Alloy Steel Jaws

The superior design of the Herbrand Pipe Wrench makes it far more efficient and easy to handle than the conventional Stillson pattern. The non-breakable, open housing with free-riding adjusting nut is quickly appreciated by mechanics. The hook-jaw is drop forged from a high quality Alloy Tool Steel, and will grip and hold perfectly under the stiffest pull and will not lock on the pipe.

Herbrand Pipe Wrenches are heat treated throughout and are finished in baked black enamel with bright polished edges.

Length	Jaw Opening	Net Price Each
6	1¼	\$1.24
8	1⅝	1.39
10	2	1.62
14	3	2.48

Length	Jaw Opening	Net Price Each
18	3½	\$ 3.56
24	4¼	5.95
36	5½	11.70
48	6½	17.63
60	8½	26.45

Special Knee-Action Tools

Drop Forged from Chrome Vanadium Steel



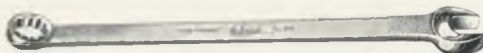
KNUCKLE SUPPORT YOKE WRENCH NO. 2410

For Buick and Oldsmobile

This special Knee-Action Wrench has the necessary angles and bends to service the upper and lower yoke nuts on late Buick and Oldsmobile. The $1\frac{1}{4}$ ", 12-point opening in the curved end takes the upper support nut which is set between the shock absorber and the spindle; the $1\frac{1}{8}$ ", 12-point opening reaches the nut on the lower support yoke. This special wrench is absolutely necessary to reach these nuts, which are inaccessible with ordinary wrenches. Also the ideal wrench for camber work.

Length 21". Weight 3 lbs. 6 ozs. Satin nickel, polished heads.

NET PRICE, each.....\$5.56



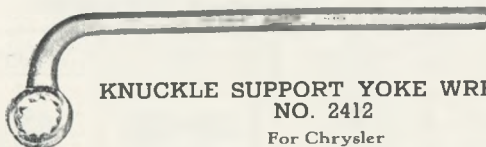
BRAKE SHOE CENTRALIZING WRENCH NO. 2411

For Pontiac and Oldsmobile

This wrench is absolutely essential for centralizing the brake shoes on the new knee-action Pontiac and Oldsmobile. The $1\frac{1}{8}$ " open end is necessary for the front brakes and has the proper thickness of heel for positive fit; the $1\frac{1}{4}$ ", 12-point opening is set at the correct angle for use on the rear brakes.

Length $15\frac{1}{2}$ ". Weight 1 lb. 5 ozs. Satin nickel, heads polished.

NET PRICE, each.....\$3.49



KNUCKLE SUPPORT YOKE WRENCH NO. 2412

For Chrysler

The knuckle support yoke nut on new Chryslers is impossible to reach without this specially designed Knee-Action Wrench. It carries a $1\frac{1}{4}$ ", 12-point box opening forged at the proper angle for clearance, with a 16" handle for leverage. Can also be used for camber adjustments on Chrysler and Plymouth.

Length $16\frac{1}{2}$ ". Weight 2 lbs. 8 ozs. Satin nickel finish.

NET PRICE, each.....\$3.00



FRONT SPRING CENTERING NUT SPANNER NO. 2413

For Pontiac

Equalizing the front spring suspension on the new Pontiac knee-action requires this special Spanner. It is essential for adjusting, removing or replacing the front spring centering nut. It is equipped with the $\frac{1}{2}$ " square drive service connection for the use of any standard handle unit, and is conveniently used with the Herbrand S-10 Ratchet.

Satin nickel plate. Diameter $2\frac{1}{2}$ ". Weight 10 ozs.

NET PRICE, each.....\$1.99



RETAINER CAP SPANNER NO. 2414

For Pontiac

The front spring housing retainer cap on early Pontiac knee-action must be removed to reach the inner centering nut for front spring suspension adjustment. No. 2414 is especially designed for this purpose and avoids damage to threads. Double plated in satin nickel.

Length 17 1/4". Weight 2 lbs.

NET PRICE, each.....\$3.49



STEERING ARM NUT WRENCH NO. 2415

For Chevrolet and Pontiac

The steering arm nut on these new knee-action cars is set so close to the frame that it is almost impossible to reach them. This double end box type wrench with 1 1/4", 12-point openings has the heads forged at special angles to easily fit over and adjust these nuts. Finished in satin nickel with polished heads.

Length 18". Weight 2 lbs.

NET PRICE, each.....\$3.49



STEERING GEAR ECCENTRIC WRENCH NO. 2416 & 2417

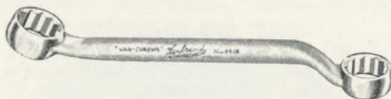
For Chevrolet, Buick, Pontiac, LaSalle and Cadillac

This special short, thin wrench is required for adjusting the knee-action steering gear eccentric. The 1 5/16", 12-point box opening is only 3/16" thick to permit a full, firm grip on the adjusting nut, and the handle is 5 1/2" long for clearance. Not guaranteed due to extreme thinness.

Length 5 1/2". Weight 5 ozs. Satin nickeled.

NET PRICE, each.....\$1.69

NO. 2417, 12-point Opening 1 1/8". Length 8 3/4".....\$1.84



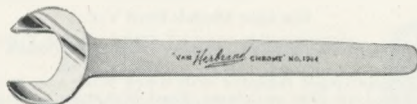
ECCENTRIC LOCK NUT WRENCH NO. 2418

For Buick

This special wrench is required for knee-action service on Buick steering gear eccentric lock nut and the roller shaft adjusting lock nut. It carries a combination of 1 3/16" and 7/8", 12-point openings, special angled for perfect accessibility. Satin nickel with polished heads.

Length 8 3/4". Weight 9 1/2 ozs.

NET PRICE, each.....\$1.99



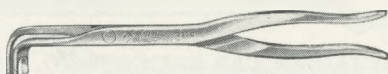
STEERING ADJUSTING WRENCH NO. 1964

For Late Model Chevrolet

Adjustment of the steering worm on 1939 Chevrolet requires this special 1 9/16" opening wrench. The length is correct for efficient handling. Nickel plated. Opening 1 9/16". Length 10 1/2". Weight 12 ozs.

NET PRICE, each.....\$1.91

Ford Service Tool Section



FORD RADIUS ROD BOLT HOLDER NO. 2330

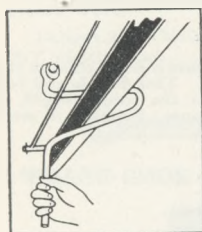
For Ford Models A and AA

Drop Forged and Heat Treated

Designed to easily assemble the radius rod bolts through the $1\frac{1}{16}$ " diameter opening at the bottom of the flywheel housing. It speeds up work and eliminates the hazard of dropping the front radius rod bolts into the flywheel housing. Satin nickel finish with polished heads.

Length 10". Weight 8 ozs.

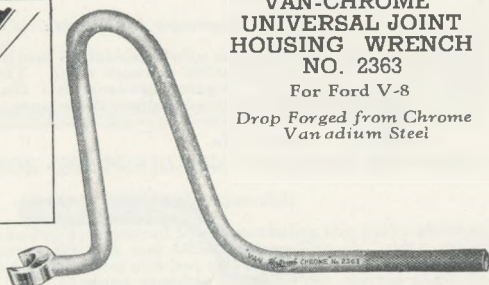
NET PRICE, each.....\$1.25



"VAN-CHROME" UNIVERSAL JOINT HOUSING WRENCH NO. 2363

For Ford V-8

*Drop Forged from Chrome
Vanadium Steel*



The only tool that will reach the two bottom cap screws on the Ford V-8 universal joint housing. These screws cannot be reached either from top or bottom, and the position of the radius rods makes them inaccessible with an ordinary wrench. The unique bends clear the radius rods and all obstructions and give ample throw, simplifying this otherwise impossible job. Any mechanic who has tackled this job will see at once the saving in time and temper that this wrench will give.

NO. 2363, length 13". Throw 8".

NET PRICE, each.....\$2.05



"VAN-CHROME" WHEEL PULLER ADAPTOR NO. 825-A

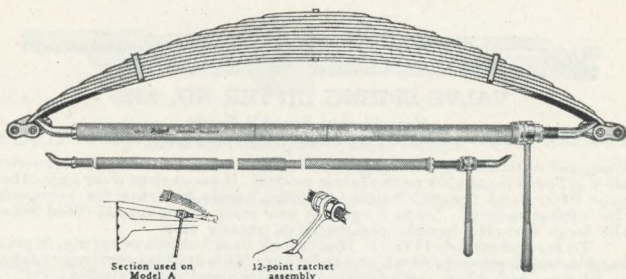
For Late Models Ford V-8

Drop Forged from Chrome Vanadium Steel

This special drop forged Adaptor will work with any stud type wheel puller for service on 1936 and later Ford V-8 hubs. Simply space two pulling arms on any stud type wheel puller to engage the bolts of the Adaptor; slide the entire assembly into the groove in the hub, and turn up the forcing screw of the wheel puller. This applies a straight, steady pull, eliminating danger to the operator and damage to parts.

No. 825-A Adaptor converts any stud type wheel puller for service on 1936 and later Ford V-8 hubs.

NET PRICE, each.....\$3.40



"VAN-CHROME" SPRING SPREADER NO. 2370

Adjustable For All Model Fords
For Both Front and Rear Springs

At last, the perfect Spring Spreader! An innovation introduced by Herbrand to lick one of the toughest jobs in Ford service work. Engineered to efficiently and easily handle both front and rear springs on all Fords from 1928 Model A to the latest V-8 Models. All mechanics know the grief and loss of time occasioned when working on axles, springs, shackles, replacing spring leaves and similar jobs. This tool enables one man to spread the springs for disassembling or complete removal of the rear end. It brings the spring eyes to exactly the right position for quick insertion of the shackles.

The Chrome Vanadium 12-point ratchet handle expands the springs easily and works freely under pressure. A few turns of the ratchet spreads the springs and holds them securely in place while all work is being completed. This self-contained tool has no trick attachments, and is scientifically perfected to handle the complete range of Ford spring service work, because it is adjustable to the correct length by the use of segments.

The photographic illustration above portrays how the "Van-Chrome" Spring Spreader is constructed in segments to provide the correct lengths that make it universal for all Ford springs.

The ratchet handle, adjusting nut, connections and engaging wedges are forged from Chrome Vanadium Steel, and the body of the tool is extra grade, heavy seamless steel tubing. The entire tool is expertly heat treated and will not bend or buckle under severe strain.

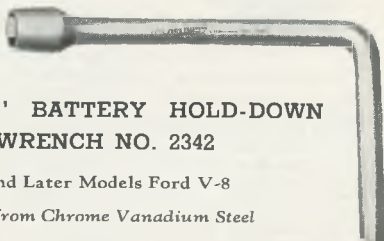
Length 46". Weight 18 lbs. Finished in rust-proof satin nickel.

NET PRICE, complete, including new style of spring-engaging wedges necessary to service all models without slipping, and special length segment to overcome spring length variation on some models.....\$14.50

"VAN-CHROME" BATTERY HOLD-DOWN BOLT WRENCH NO. 2342

For 1937 and Later Models Ford V-8

Drop Forged from Chrome Vanadium Steel



The battery on the new 1937 Fords is located under the dash, where it is difficult to reach the hold-down nuts. Limited clearance and awkward position necessitate this specially designed wrench with its extra deep, thin walled socket. Every service station will find it a big time and labor saver due to the ease and speed with which it handles this frequent service job. The 4" bend of the handle provides a firm grip and free turning radius.

Satin nickel finish, polished head. Six-point tapered socket, opening $\frac{1}{4}$ ". Length 7". Handle 4". Weight 10 ozs. Six to the box.

NET PRICE, each.....\$1.12

CONNECTING ROD AND MAIN BEARING SOCKETS

For Ford Models A, B and V-8

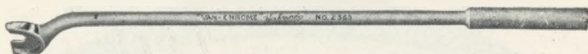
Hot Forged from Chrome Molybdenum Steel

Twelve-point openings, extra thin walls— $\frac{1}{2}$ " square drive connections to fit standard handle units.

NO. S-121, $\frac{1}{2}$ " opening for Ford A and B connecting rod bearing cap nuts.

NET PRICE, each.....\$.68





VALVE SPRING LIFTER NO. 2365

New Design For All Fords

Drop Forged from Select Tool Steel

Designed with a universal type jaw that combines two sizes for servicing all V-8 Fords from 1932 to the latest models. It saves time over any other type lifter, and the 24" length provides ample leverage for removing the stiffest springs. Drop forged in one piece from special Tool Steel, the large knurled handle gives a firm, steady grip.

To service models 1932-33: Insert fork near bottom of spring, depress handle, using opposite block as a fulcrum. This enables retainer washer to be removed; then withdraw valve lifter and drive guides out.

To service models 1934-35: With heel of tool upward, insert fork near lower end of valve guide. Pull upward on handle, pushing valve guides down, which permits removal of horse-shoe lock. Reverse tool, push down on handle and valve and guides will push out at top of block. For badly carbonized guides use as described for 1932 models and remove valve spring retainer. Attractively finished in triple nickel plate.

Length 24". Weight 2 lbs.

NET PRICE, each.....\$1.95

REFER TO PAGE 114 FOR ADDITIONAL VALVE LIFTERS.



"VAN-CHROME" VALVE GUIDE KNOCKOUTS

For All Ford Models

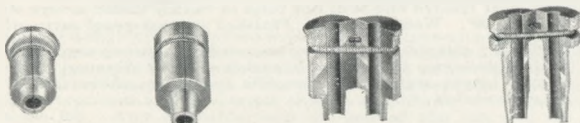
Drop Forged from Chrome Vanadium Steel

Here's a tool that will do the job with a minimum of time and effort. Ruggedly constructed to eliminate distortion and designed to clear the valve seat. Knurled handle for good grip. Triple plated in satin nickel.

NO. 2353 for Models A and B. Length 9". Weight 7 ozs.

NO. 2354 for V-8 Models.

NET PRICE, each.....\$.85



Valve Grinding Guides

For Ford V-8 and A Models

Precision Machined to Very Close Limits for Greatest Accuracy

Precision and great accuracy in machining these guides is absolutely essential for perfect grinding of valves. Guides go in the block from the top and lift out with the valves for inspection. The body is ground concentric with the valve stem hole so that the valve is always held true as in the original guides. The retainer spring hinges the two halves together for faster operation and prevents loss of parts. A real time and labor saver. Satin nickel plated. Available in the three necessary sizes: No. 2385 for Ford V8-60; No. 2386 for other Ford V8 models; No. 2387 for Ford Model A.

NET PRICE, each.....\$1.55

"VAN-CHROME" SPECIAL FORD FEELER GAUGE NO. G-8

For All Models

Pretested for Accuracy and Temper



Designed especially for mechanics who have occasion to work on Ford cars. Standard gauges do not ordinarily contain the special sizes necessary for Ford work. The G-8 carries the nine special sizes necessary for tappet points and plugs to fit all models from 1928 to 1939.

Seven of the blades have special go and no go (double thickness) feature—one thickness goes, the other does not—and all are marked for thickness and the special job they fit. Equipped with a knurled locknut, which releases the blades instantly for rapid selection and locks the desired blade into working position.

An exceedingly useful tool that no mechanic should be without. See page 112 for complete Feeler Gauges.

NET PRICE, complete.....\$1.40



FORD VALVE SPRING LIFTER AND COMPRESSOR NO. VL-506

Special for Ford Models V-8-60

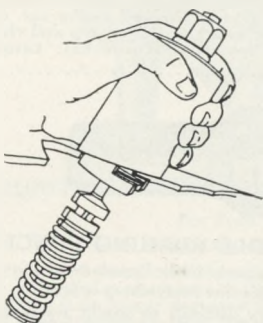
Spring Assembly Feature

Ingeniously designed and perfected to simplify valve spring lifting and replacing on Ford V-8-60 from the earliest to the latest models. A Combination Tool that is quick in operation, simple and positive in action. Light in weight and well supported so it will not twist or slip off the job. 20" length for a powerful leverage.

NO. VL-506. Length 20". Satin finish.

NET PRICE, each.....\$1.80

"VAN-CHROME" FORD V-8 VALVE ASSEMBLY PULLER NO. 2364



The above sketch shows the puller in position ready to dislodge the valve assembly. It portrays the ease and simplicity with which the one-piece pulling cup engages the valve stem head, regardless of position and without loss of time.

The problem of removing Ford valve guides which have stuck from carbon or burning is a difficult one. They cannot be driven, and prying bends the valve or breaks the block.

The Herbrand Valve Assembly Puller easily handles the toughest of these without loss of time or damage to parts. Specially angled to face up with the block, there is no cracking of the valve or binding. The pulling cup perfectly fits the valve head.

A positive one-man tool which makes the toughest of these jobs easy. All pulling parts are accurately machined from select chrome molybdenum steel and heat treated.

NO. 2364, height 5". Weight 2 lbs. 14 ozs.

NET PRICE, each.....\$6.75

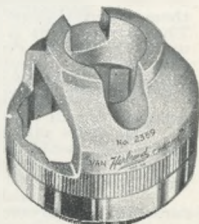
"VAN-CHROME" FAN PULLEY SOCKET NO. 2359

For All Ford Models

Hot Forged from Chrome Molybdenum Steel

The radiator need not be removed to reach the fan pulley nut with this special Socket. Simply insert a standard crank handle after the Socket is seated on the nut. Very essential on late models where the fan pulley must be loosened to drop the pan. Clears the spring saddle which interferes with the conventional type socket. Satin nickel, polished side walls, knurled for easy turning. Twelve-point opening, 1 3/8". Weight 4 ozs.

NET PRICE, each.....\$1.50





"VAN-CHROME" SHACKLE BUSHING PUNCHES

Made in Three Sizes for the Ford V-8 and V-8 Truck

Chrome Vanadium Steel

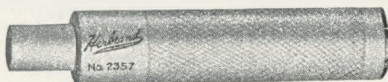
Designed to conform to the contour of the shackle bolt, they remove and replace rubber shackles on the Ford V-8 with a minimum of time and effort. Engage perfectly the end of the shackle bolt, which eliminates the possibility of splitting the case. Satin nickel with polished bit.

NO. 2348, for use on $\frac{7}{8}$ " shackle of V-8 rear spring. Length $7\frac{1}{4}$ ".

NO. 2349, for use on $\frac{3}{4}$ " shackle of V-8 front spring. Length $7\frac{1}{4}$ ".

NO. 2349T, for use on $1\frac{1}{8}$ " shackle of V-8 truck.

NET PRICE, each.....\$1.76



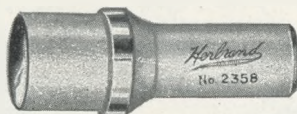
"VAN-CHROME" KING PIN PUNCH NO. 2357

For All Ford Models

Made from Chrome Molybdenum Steel

When pins are extra tight, jack up car, place anvil or solid base under the spindle, slip the tool into king pin and lower car until weight is resting on the Punch; strike axle sharply on top and the king pin is forced out without damaging spindle. Satin nickel. Length 4".

NET PRICE, each.....\$.75



"VAN-CHROME" SPINDLE BUSHING PUNCH NO. 2358

For All Fords and Other Popular Cars

Made from Chrome Molybdenum Steel

The split type bushing is very difficult to insert without the proper tool, because it has a tendency to overlap and buckle in the spindle. This special Bushing Punch entirely eliminates unassembling the front end. It is equally efficient for either the insertion or removal. Satin nickel finish with polished ends. Length $2\frac{3}{8}$ ". Weight 4 ozs.

NET PRICE, each.....\$.85

"VAN-CHROME" KING PIN REMOVER NO. 2376

For All Ford Models

Chrome Vanadium Steel

Removing king pins is one of the toughest service jobs on Ford cars, and this husky special tool pushes them out easily and takes the "fight" out of them, even though rusted and frozen. The service man is frequently called upon to replace Ford king pins and this tool is indispensable, especially where time-saving is a factor.

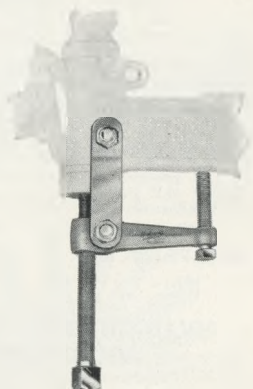
The "Van-Chrome" King Pin Remover is the most efficient and practical for all models, including the 1937 V-85 and 60.

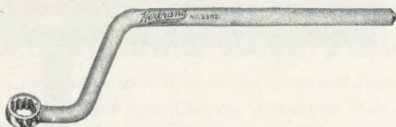
The short adjusting set screw on the small end of the drop forged arm is required for levelling the tool, and the long forcing screw exerts the tremendous power necessary to break loose and push out frozen king pins.

All parts are made from special-analysis Chrome Vanadium Steel and carefully heat treated to withstand the abuse that this tool must take.

Method of Operation: The half-round bolt goes through the king bolt lock pin hole. The adjusting set screw at the small end of the arm is necessary for proper alignment and butts up against the perch nut on 1937 models; on earlier models it butts up against the axle. A centering nipple is supplied with the tool; the large end goes against the forcing screw and the small end against the king pin.

NET PRICE, each.....\$6.35





**"VAN-CHROME" DISTRIBUTOR WRENCH
NO. 2382**

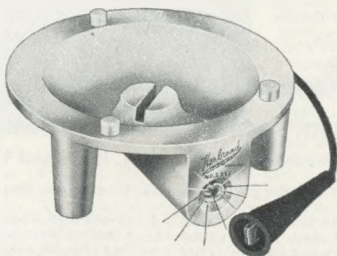
For Ford V-8's and Lincoln Zephyr

Drop Forged from Chrome Vanadium Steel

Necessary for removing or replacing the distributors on V-8 Fords, including 1937 Models 60 and 85; also for Lincoln Zephyr. The special angle bends and 3" offset are correct to do this difficult job in a minimum of time.

NO. 2382, $\frac{3}{4}$ " opening, length 8", offset 3".

NET PRICE, each.....\$1.35



DISTRIBUTOR TIMING SYNCHRONIZER NO. 2367

For Ford V-8

Gives Quick, Dependable Analysis

Accurate timing of the distributors of today's high-speed engines is the key to the successful performance of the modern motor car. An ignition expert's service is no longer required to show the true condition of the distributor and accurately time the ignition. The newly perfected Herbrand Synchronizer is so simple to use and works so perfectly that any mechanic can give the customer a quick, dependable analysis of the ignition and timing condition.

This modern, scientific testing device which saves time, prevents guess-work and increases service business is available at a very moderate price, yet functions just as effectively as the more expensive types.

For a perfect test distributor or breaker points must first be properly spaced. Place distributor on the Synchronizer with coil in place, making sure that distributor seats firmly on all three posts. Loosen the distributor adjusting screw and turn until light flashes on, then tap the adjusting screw just enough in the opposite direction so that the light will go out and the distributor is accurately timed. If the points have been properly spaced this tool checks the distributor in one position, which automatically times it in all other positions.

Equipped with two batteries and Mazda lamp. Individually boxed with complete instructions.

Attractively nickel plated. Diameter $5\frac{1}{4}$ ". Weight 2 lbs. 12 ozs.

NET PRICE, each.....\$5.95



**"VAN-CHROME" FAN PULLEY NUT WRENCH
NO. 2368**

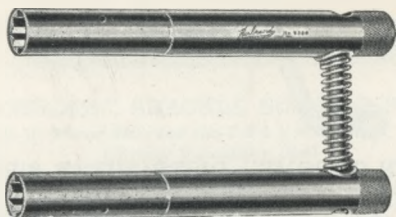
For Ford V-8 Models Except V-8-60

Drop Forged from Chrome Vanadium Steel

Unusually efficient for removing fan pulley nuts on all V-8 models, except the 60 horsepower, and essential when fan pulley must be loosened for dropping the pan. Place wrench on fan pulley nut, brace handle on frame cross-member, step on starter and nut will turn off automatically.

NO. 2368, 12-point, $1\frac{1}{4}$ " opening. Satin nickel finish. Length 8"

NET PRICE, each.....\$1.50



"VAN-CHROME" MAIN BEARING BOLT HOLDER NO. 2336

For V-8 Models

Forged from Chrome Alloy Steel

The 8-point, $\frac{1}{16}$ " openings in this Wrench are hot forged to fit the square bolt heads regardless of position, because there is sufficient flexibility in the spring to hold both tool and bolts even though working upside down. The tool and bolts remain in place, instead of dropping out after the nuts and bearing cap have been removed. This tool is essential to hold the main bearing bolts from turning while adjustments are made.

Satin nickel finish. Length $8\frac{1}{2}$ ". Weight 2 lbs. 14 ozs.

NET PRICE, each.....\$2.70



"VAN-CHROME" MAIN BEARING WRENCH NO. 2331

For Ford Models A, AA, B, BB and V-8

Forged from Chrome Vanadium Steel

The head is set at the correct angle to reach and turn the main bearing bolts on all Ford cars. It carries a $\frac{1}{16}$ ", 8-point opening in one end and a $\frac{3}{4}$ ", 12-point opening in the other and has the necessary $15\frac{1}{2}$ " length to service all main bearing bolts. Satin nickel finish with polished heads.

Length $15\frac{1}{2}$ ". Weight 1 lb. 3 ozs.

NET PRICE, each.....\$1.65



"VAN-CHROME" NO. 2333V FORD V-8 BRAKE WRENCH

Special Offsets—Extra Long Reach—For New Models

Drop Forged from Chrome Alloy Steel

Adjusting brakes on the new V-8 with the ordinary straight wrench is a very dirty, messy and difficult job. This new wrench was designed with special bends and offsets to easily reach behind the wheel and tire. It clears shock-absorber arms, brake drums and other obstructions, leaving the operator's hands free to do a perfect job of adjusting quicker and easier. The 15" length provides the extra leverage to break loose frozen and corroded nuts.

The unique offsets on this special wrench clear the obstructions encountered in adjusting the new Ford V-8 brakes. The extra long handle gives greater leverage. Fits all models.

Satin nickel finish. 8-point openings, $\frac{1}{16}$ " for passenger cars and $\frac{1}{2}$ " for trucks. Length 15".

NET PRICE, each.....\$1.65



FORD HUB BOLT SET PUNCHES

For Passenger Cars and Trucks

Made from Chrome Molybdenum Steel

Built to quickly swedge the metal around the bolts and hold them securely in place. The hub, with bolts in position, should be placed on anvil or otherwise "backed up" while peining. Extra tough and strong to withstand hammer shock. They do a quick, accurate job of peining and have long knurled handles for perfect grip. Strong and extra heavy and heat treated throughout to withstand hammer shock. Satin nickel finish with ends polished. Knurled hand grips. Length 6". Weight 17 ozs. and 27 ozs.

NO. 2384, for passenger cars, $\frac{15}{16}$ " stock.

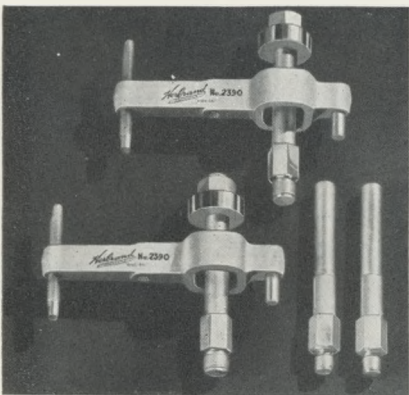
NET PRICE, each.....\$1.25

NO. 2384T, for trucks, $1\frac{1}{16}$ " stock.

NET PRICE, each.....\$1.55

No. 2390 "Van-Chrome" Ford Cylinder Head Puller

For Easy Lifting of Rusted and Corroded Heads
Drop Forged from Chrome Vanadium Steel

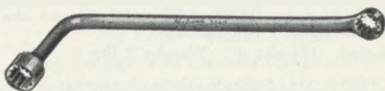


Mechanics encounter difficulty and resulting loss of time when removing aluminum heads on Ford V-8's because of corrosion and rusting of studs. Parts are frequently damaged because heads are on so tight that "chisel and pry" methods are applied, which cause costly replacements due to breaking heads and cracking blocks. This specially designed Herbrand Puller removes the head with an even, positive pull, regardless of how tight they may be sealed to the block. The cost of these pullers will be saved on the first job, and they lick flat rates to a standstill.

The crossarms of these Pullers bridge the cylinder head, the adjusting screws on either end line up with, and rest on top of, the cylinder head studs. The main forcing screws turn into the spark plug holes, then pressure is applied to the hex pulling nuts alternately with a wrench, and the head responds quickly and easily to the pulling power of the forcing screws.

Always used in pairs, these Pullers consist of 2 crossarms, equipped with 2 adjustable levelling studs; 2 collars; 2 hex turn-down nuts and 4 forcing screws: 2-14mm for V8-60 and 2-18mm for V8-85. For V8-85 use levelling stud in end of crossarm; for V8-60 use center stud hole. Satin nickel. Weight 5 lbs.

NET PRICE, per pair complete.....\$10.50



Head and Manifold Wrench No. 2340

For Ford Models A, AA, B and BB

Drop Forged from Chrome Vanadium Steel

With this wrench it is unnecessary to remove the carburetor adjusting rod to reach the exhaust manifold nuts. It has a $\frac{11}{16}$ ", 12-point socket opening on one end, and $\frac{11}{16}$ ", 12-point box opening on the 4" offset end to clear the water outlet pipe. Will also handle all head bolts.

Satin nickel finish. Length 15". Weight 15 ozs.

NET PRICE, each.....\$1.65



Headlight and Horn Nut Wrenches

For Ford V-8, Hudson and Terraplane

Drop Forged from Chrome Vanadium Steel

The 12-point, box type slotted heads permit adjusting or removing the headlight and horn nuts without disconnecting the wiring. Extra rigid jaws prevent springing off the nut when pressure is applied.

NO. 2344V, openings $\frac{13}{16}$ " and $1\frac{1}{8}$ ", fitting headlight nuts on all V-8's, including latest models.

NO. 2344, openings $\frac{3}{4}$ " and $1\frac{1}{16}$ ". The $\frac{3}{4}$ " end fits horn nuts on all V-8 models; the $1\frac{1}{16}$ " end fits headlight nuts up to 1935, also Hudson and Terraplane.

Satin nickel finish. Length 12". Weight 13 ozs.

NET PRICE, each.....\$1.65



"VAN-CHROME" GAS TANK SPANNER NO. 2355

For Ford V-8

Drop Forged from Chrome Vanadium Steel

The filler neck of the gas tank on Ford V-8 Models extends through the left rear fender. When replacing fenders or if leakage occurs the filler neck must be removed or tightened. The packing nut on the filler pipe of the gas tank is made from alloy steel and cannot be successfully removed or tightened without this Spanner. Satin nickel with brightly polished faces. The handle is knurled for perfect gripping quality.

Length 12½". Weight 9 ozs.

NET PRICE, each.....\$1.50

"VAN-CHROME" MOTOR JACK NO. 2360

For Late Ford V-8 Models

Chrome Vanadium Steel

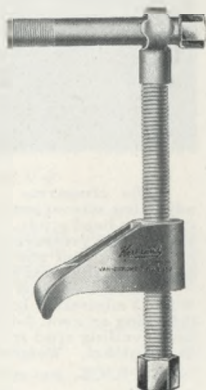
When the mechanic finds it necessary to raise the motor on the Ford V-8 for dropping the crankcase this tool is indispensable. It not only raises the motor and holds it in position, but provides the means of turning the motor over while working on the bearings, rings, pistons, etc.

It is not necessary to remove the hood, and the car may be in any position on the garage floor. Simply remove the fan pulley nut, screw the threaded bolt into the crank shaft and rest the foot of the tool on the chassis. An easy turn of the forcing screw raises or lowers the motor to the proper working position.

The use of a conventional jack is dangerous, and frequently the shop is not in condition for the use of a chain hoist. Mechanics appreciate the ease and convenience with which "Van-Chrome" Ford Motor Jack simplifies this otherwise complicated job. It is ruggedly built for utmost dependability and should be part of every efficient mechanic's equipment.

Satin nickeled. Height 9". Weight 2 lbs.

NET PRICE, each.....\$4.85



"VAN-CHROME" TIE ROD TOOL NO. 2350

For the Ford V-8

Drop Forged from Chrome Vanadium Steel

This sturdy Tie Rod Tool is essential and works easily and speedily on Ford V-8 and other makes of cars. Close coupled for cramped working quarters. In tightening rod ball joints on the left side, wheels must be turned as far to the right as possible, and the action reversed for right side joints. It also is a time-saver when used to remove or replace filler plugs on Chevrolet and Pontiac shock absorbers. Satin nickel.

Length 7½". Thickness of blades ¾". Width of blades 1¼".

NET PRICE, each.....\$1.12

CARBURETOR JET WRENCH NO. 1955

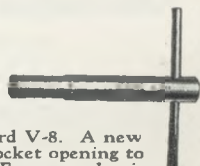
Oblong Opening for Late Ford V-8

Hot Forged and Heat Treated

The key to carburetor troubles on the late Ford V-8. A new and necessary tool with an oblong hot forged socket opening to adjust the carburetor jets on late model V-8's. Every mechanic needs this tool to service the recent change of these fuel jets. Designed with the necessary thinness and length for speed and efficiency. Smoothly ground with satin nickel finish.

Length 2½". Handle 2½". Weight 1 oz.

NET PRICE, each.....\$.56





"VAN-CHROME"

SHOCK ABSORBER ADJUSTING TOOL NO. 2346

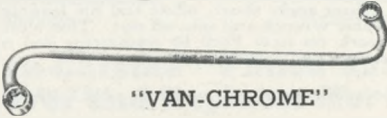
For Ford V-8 Models

Drop Forged from Tungsten Steel

Both heads are offset 90° but set at different angles to readily engage the slot in the adjusting nut, regardless of its position. Ample length and proper offsets to reach through the wheel spokes. Each blade is notched to clear the pin and ground accurately to correct slot gauges. Satin nickel plate with heads polished.

NO. 2346, length 6½". Weight 4 ozs.

NET PRICE, each.....\$.75



"VAN-CHROME"

SHOCK ABSORBER WRENCH NOS. 2347 AND 2374

Combination 8 and 12-point Openings for Ford V-8

Drop Forged from Chrome Vanadium Steel

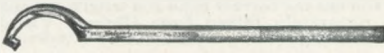
Filler plugs on shock absorbers placed in the frame channels on late Ford V-8's are extremely hard to reach. Some are square, others hex. This special S wrench, scientifically designed with 8 and 12-point openings, gets them both. It has unique angles which clear obstructions. Satin nickel with heads polished.

NO. 2347, openings ⅞". Length 11½". Weight 7 ozs.

NET PRICE, each.....\$1.88

NO. 2374. A different type of wrench is necessary to handle filler plugs on 1935 and later V-8 models. The No. 2374 handles these.

NET PRICE, each.....\$1.88



**"VAN-CHROME" SHOCK ABSORBER SPANNER
NO. 2362**

For Ford V-8 Late Models

Drop Forged from Chrome Vanadium Steel

The packing nuts on the new Ford shock absorbers require this hook spanner wrench for removing, replacing, tightening and adjusting. These packing nuts must be tightened occasionally to prevent leakage. It also acts as an adjustment, and this Special Spanner is necessary because it is built the right length to service all four shock absorbers.

All 1937 Ford models are equipped with new type shock absorbers, for which this spanner is specially designed. Necessary for adjusting, tightening, removing and replacing these packing nuts.

Finished in satin nickel with polished faces. Knurled handle. Length 9½". Weight 5 ozs. Six to the box.

NET PRICE, each.....\$1.25



**FORD SHOCK ABSORBER LINK SEPARATOR
NO. 2356V**

For Late V-8 and Other Models

Drop Forged from Chrome Molybdenum Steel

Shock absorber links should not be removed by driving against the bolt with a hammer, because threads become mutilated and also there is too much spring in the arms. This newly designed tool is specially built to do this difficult job with a minimum of energy and time.

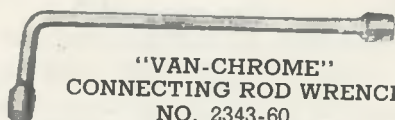
The long tapered prongs are accurately sized to readily wedge between the parts and quickly separate them. This tool is essential to take care of the shock absorbers incorporating recent engineering changes. For separating tie rod joints it is equally efficient.

To operate: remove the nut from the tapered bolt that holds the shock absorber link. Place the wedge-shaped fork between the link and shock absorber arm, and a few sharp blows with a hammer forces the tapered bolt out of the arm. A spacing collar is supplied with each tool for use on 1934 Ford shock absorbers.

Satin nickel finish, polished ends. Length 15". Weight 1½ lbs.

NET PRICE, complete, tool and spacing collar.....\$3.08

NET PRICE, spacing collar only......50



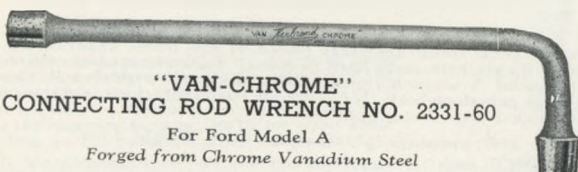
**"VAN-CHROME"
CONNECTING ROD WRENCH
NO. 2343-60**

For Ford 60 Model

Forged from Chrome Vanadium Steel

A double-end wrench, with 3" offset bent at right angles; has duplicate 6-point, $\frac{1}{8}$ " openings with extra deep, very thin walled, tapered sockets for clearance. First apply short, offset end for leverage to break nut loose, then reverse wrench and spin off nut. This wrench is necessary for efficient work on new Ford 60 connecting rod nuts. Expertly forged and heat treated for long life.

NO. 2343-60, length 11", $\frac{1}{8}$ " openings. NET PRICE, each...\$1.20



**"VAN-CHROME"
CONNECTING ROD WRENCH NO. 2331-60**

For Ford Model A

Forged from Chrome Vanadium Steel

This newly designed wrench is built for easy access to the connecting rod nuts on the Ford Model A. It has nominal openings of $2\frac{1}{32}$ ", 6-point extra deep sockets on each end, specially sized and shaped to fit the tapered nuts, and has the correct bend and length of handle for clearance and power. Accurately forged from Chrome Vanadium Steel and carefully heat treated.

NO. 2331-60, length 11 $\frac{3}{4}$ ", $\frac{1}{8}$ " openings. NET PRICE, each...\$1.35



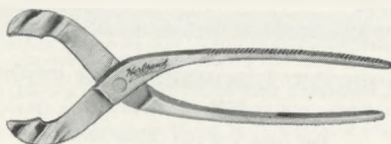
SPECIAL CONNECTING ROD SOCKET S-118V

$\frac{1}{2}$ " Square Drive—For Ford V-8

Hot Forged from Chrome Molybdenum Steel

Special extra thin wall socket with $\frac{9}{16}$ ", 12-point hot forged opening. Standard sockets will not handle this job. Due to extreme thinness necessary this socket is not guaranteed.

NET PRICE, each.....\$.71



CONNECTING ROD BEARING PLIER NO. 2375

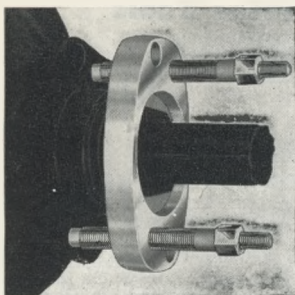
For All Ford V-8 Models

Drop Forged from Chrome Vanadium Steel

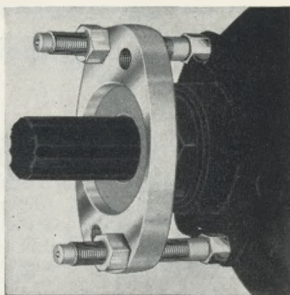
This two-in-one plier tests the connecting rod bearings for looseness on both Models 60 and 85 V-8 Ford. Ordinarily two tools are necessary. The plier grips the shoulder of the bearing, and, by turning, the operator immediately determines the correct fit.

Length 9". Weight 8 ozs.

NET PRICE, each.....\$2.25



Removing



Replacing

"Van-Chrome" Pinion Shaft Remover and Replacer No. 2366

For Ford V-8—All Models

Drop Forged from Chrome Vanadium Steel

With this pusher and puller it is unnecessary to disassemble the entire rear end on the Ford V-8 in order to remove and replace the pinion shaft, bearings and pinion.

To remove the shaft: First take off pinion bearing adjusting nut, place tool in position with the forcing screws against the banjo housing, replace bearing adjusting nut and tighten against body of tool to hold it in place. Turn forcing screws and pinion shaft is quickly removed. (See photo at left.)

To replace the shaft: Place bearing adjusting nut on shaft, use forcing screws in reverse position and turn them into the tapped holes in the housing, then force the body of the tool against the adjusting nut by turning down the hex nuts on the stud until the pinion is pushed into place.

NO. 2366, finished in satin nickel. Weight 2 lbs. 4 ozs.

NET PRICE, each.....\$5.45



"Van-Chrome" Crankcase Drain Wrench No. 2345

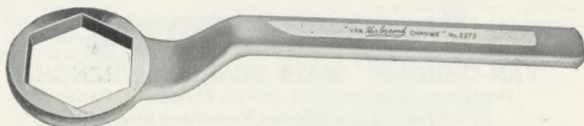
For Ford V-8 Prior to 1939

Drop Forged from Chrome Vanadium Steel

A special wrench with $1\frac{5}{16}$ " and $1\frac{1}{8}$ ", 12-point box openings. The $1\frac{5}{16}$ " opening fits the crankcase drain plugs on Ford 1933 and 1934 models, and the $1\frac{1}{8}$ " opening fits 1932. Satin nickel with heads polished.

Length 15". Weight 1 lb.

NET PRICE, each.....\$2.17



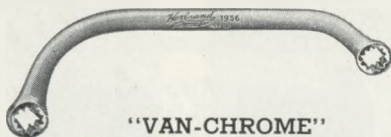
"Van-Chrome" Crankcase Drain Plug Wrench No. 2373

For 1939 Ford V-8 and Mercury

The crankcase drain plug on the 1939 Ford V-8 and Mercury is inaccessible and cannot be reached with an ordinary wrench. No. 2373 has a 6-point hexagon opening to perfectly fit the special plug, and it is designed with a unique bend to clear obstructions. The 11" handle provides ample leverage. Every service station, maintenance shop and garage needs this wrench.

NO. 2373. NET PRICE, each.....\$1.57

Chevrolet Service Tools



"VAN-CHROME"

STARTER AND MANIFOLD WRENCH NO. 1936

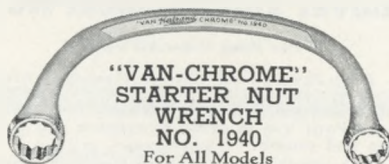
For Buick, Chevrolet, Pontiac, Terraplane

Drop Forged from Chrome Vanadium Steel

A real time-saving tool that replaces many special, costly wrenches. Combines 12-point openings of $\frac{5}{8}$ " and $\frac{3}{4}$ ". The $\frac{5}{8}$ " opening fits Buick, Chevrolet, Pontiac Six and Pontiac Eight starter, also Buick manifold. The $\frac{3}{4}$ " opening fits Buick heat trap and carburetor nuts, Chevrolet manifold, Terraplane starter and Pontiac manifold. The unique design and thin heads permit reaching around corners and interfering parts. Satin nickel finish, polished heads.

Length 9 $\frac{3}{8}$ ". Weight 7 ozs.

NET PRICE, each.....\$1.05



"VAN-CHROME"
STARTER NUT
WRENCH

NO. 1940

For All Models
Chevrolet

Drop Forged from Chrome Vanadium Steel

Combining the two popular 12-point openings, $\frac{5}{8}$ " and $\frac{3}{4}$ ", this new special bend wrench clears all obstructions for immediate contact with the nuts on the starter motor housing on all Chevrolet models. The $\frac{5}{8}$ " opening takes care of the nuts on all cars up to 1937, and the $\frac{3}{4}$ " end handles the 1937 models. The unusual contour, extra deep bends and popular combination of openings adapt the wrench to many applications where space is confined and nuts are badly obstructed.

NO. 1940, opening $\frac{5}{8}$ " and $\frac{3}{4}$ ", length 7 $\frac{3}{4}$ ".

NET PRICE, each.....\$1.20

"VAN-CHROME" **STARTER AND** **MANIFOLD** **WRENCH** **NO. 2146**



For Late Model Chrysler-built and Other Cars

Drop Forged from Chrome Vanadium Steel

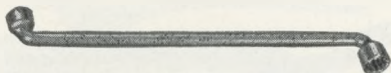
The combination $\frac{5}{8}$ " and $\frac{3}{4}$ ", 12-point openings, with the special bends and thin side walls for perfect clearance, are particularly designed to service exhaust manifold and starter nuts on late model Chrysler-built cars, where ordinary wrenches are useless.

The $\frac{5}{8}$ " opening is angled to fit the exhaust manifold nuts and has been made extra thin for easy engagement and ample clearance.

The $\frac{3}{4}$ " opening fits the starting motor nuts, and the unusual bend clears the steering column control rods and other obstructions that interfere with ordinary wrenches.

NO. 2146, openings $\frac{5}{8}$ " and $\frac{3}{4}$ ", length 7".

NET PRICE, each.....\$1.12



"VAN-CHROME" MAIN BEARING WRENCHES

For Chevrolet, Chrysler, Dodge, Plymouth, Pontiac

Forged from Chrome Vanadium Steel

Designed for more efficient main bearing work on all Chevrolets from 1929 to present models, these wrenches also fit many other popular cars. The 15 $\frac{1}{2}$ " length is necessary for clearance, accessibility and maximum handling efficiency. The heads are offset at the correct angle for easy operation.

NO. 1937 has 12-point openings, $\frac{5}{8}$ " and $\frac{3}{4}$ ", for work on Chevrolet Models 1929 to early 1933, inclusive.

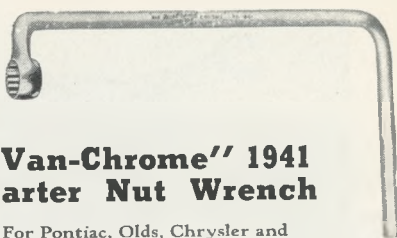
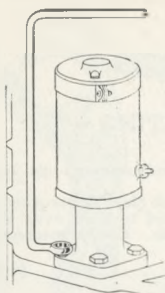
NO. 1938 has 6-point openings, $\frac{11}{16}$ " and $\frac{13}{16}$ ", which are the necessary sizes for late 1933 and early 1934 Chevrolets.

NO. 1939 combines $\frac{11}{16}$ " and $\frac{3}{4}$ ", 12-point openings, which are adaptable to main bearing work on Chevrolet Models late 1934 and 1935. This wrench also services Pontiac 8, 1933 to 1935, inclusive; Chrysler 6 and 8; Dodge 6 and 8; Plymouth, 1930 to 1935, inclusive.

They also fit the cylinder head bolts on the cars listed.

Triple satin nickel with polished heads. Length 15 $\frac{1}{2}$ ". Weight 1 lb.

NET PRICE, NOS. 1937, 1938, 1939, each.....\$1.65



"Van-Chrome" 1941 Starter Nut Wrench

For Pontiac, Olds, Chrysler and
Other Late Models

Drop Forged from Chrome Vanadium Steel

The starter bolts on late model Pontiacs are concealed in an inset between the block and the starter and are inaccessible with any other tool. Carefully forged with just the right bends, the offset head, which has the popular $\frac{5}{8}$ " opening, is angled to slip readily over these bolts and remove or replace them in a minimum of time. This tool is very essential for Pontiac starters and works equally well on 1938 Olds 8, 1937 Chrysler Imperial, 1938 Chrysler Royal and other cars.

Twelve-point $\frac{5}{8}$ " opening, overall length 11". Length of leverage handle from bend 6". Finished in satin nickel, polished heads. While primarily designed for Pontiac starter nut work, the popular $\frac{5}{8}$ " opening size adapts it to many other uses, especially where conventional wrenches cannot reach. Weight 11 ozs.

NET PRICE, each.....\$1.55



Special Manifold Wrench No. 2335

For Ford, Chevrolet, Dodge, Plymouth, Graham, Pontiac, Terraplane,
Studebaker and Others

Drop Forged from Chrome Vanadium Steel

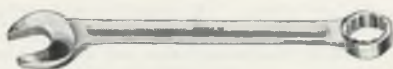
Unique offsets, angles, twists and bends to clear obstructions where ordinary wrenches are useless. It carries double 12-point $\frac{3}{4}$ " openings. One end is offset $2\frac{3}{4}$ " and is angled at 23° for clearance on exhaust manifolds. The heel of the offset is thinned down for accessibility. This head fits the lower, center and lower rear exhaust manifold nuts on V-8. It clears the steering column and the cable conduit.

The $\frac{1}{2}$ ", 12-point opening in the opposite end is angled at 50° for clearance on the cylinder block, and the handle has a 10° angle offset to clear the steering column when wrench is used on the exhaust manifold rear top V-8 nuts.

Adaptable for the exhaust manifold nuts on many of the popular late model cars, including those listed above. Finished in satin nickel.

Twelve-point openings, $\frac{3}{4}$ " and $\frac{1}{2}$ ". Length $8\frac{1}{2}$ ". Weight 6 ozs.

NET PRICE, each.....\$1.35



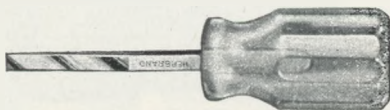
Special Carburetor Wrench No. 1950

For Late Model Chevrolet

Drop Forged from Chrome Vanadium Steel

With this special wrench it is unnecessary to remove the air and dust filter when working on the feed line. The $\frac{1}{2}$ " open end fits the connection which is set very close to the carburetor, also the cap screws that hold the carburetor to the motor. The $\frac{3}{4}$ ", 12-point box end fits the connection that screws into the carburetor. Satin nicked, heads polished. Length 6". Weight 3 ozs.

NET PRICE, each.....\$.90



Chevrolet Carburetor Jet Screw Driver No. 1957

Chrome Tungsten Blade—Pyralin Handle

Efficient work on Chevrolet carburetor requires this new Screw Driver with special length, thickness, width and taper of blade. Just right for perfect engagement and accessibility.

Length overall $4\frac{1}{4}$ ", blade $2\frac{1}{8}$ ". Weight 2 ozs.

NET PRICE, each.....\$.75

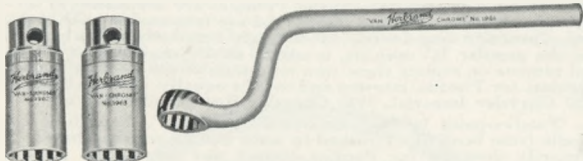


CHEVROLET CLUTCH ADJUSTING WRENCH NO. 1960

Another time-saving tool that simplifies clutch adjustment on late model Chevrolets.

The unique offsets, angles and bends of this tool clear obstructions encountered in clutch work. The opening is slotted to slide over the shaft on the clutch pedal. Fits 1936 and 1937 models. Every mechanic needs this tool.

NET PRICE, each.....\$1.24



"VAN-CHROME" STEERING ECCENTRIC NUT WRENCHES

For Late Model Chevrolet and Other Cars

A combination of three companion tools for adjusting the steering eccentric on Chevrolet from 1931-1937 and other popular cars.

NO. 1961 has the required offset to reach down into the frame channel and hold the bolt or lock-nut while steering eccentric adjustments are being made.

NET PRICE, each.....\$1.15

NOS. 1962 and 1963 are special length deep sockets for adjusting the steering eccentric nuts. They have $\frac{1}{2}$ " service connections for use with any standard ratchet.

NO. 1962 has a $\frac{7}{8}$ ", 12-point opening and fits 1936 Chevrolet and other cars.

NET PRICE, each.....\$1.15

NO. 1963 has a $1\frac{1}{16}$ ", 12-point opening and fits 1931, 1935 and 1937 Chevrolet.

NET PRICE, each.....\$1.20



CHEVROLET HEAD ALIGNING TOOL NO. 1946

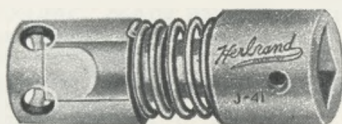
For Holding Gaskets in Place and Aligning Heads

Saves Time and Avoids Damage to Gaskets

Chevrolet mechanics know how difficult it is to replace motor heads, which must slide under the dash projection, without damaging or replacing the gaskets. The two aligning studs which come with this tool are screwed into the block to hold the gasket in place. The cylinder head is then placed over the studs for perfect alignment without damaging the gasket. The fitted T-handle removes the studs after the head is in place.

Length of T-handle 5".

NET PRICE, complete, T-handle and 2 studs.....\$1.30



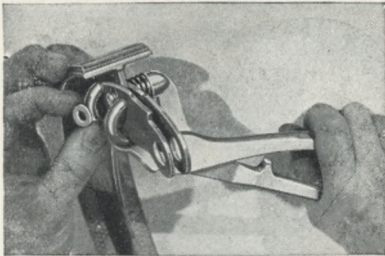
CHEVROLET PAN SCREW DRIVER NO. J-41

Chrome Vanadium Steel— $\frac{3}{8}$ " Drive

With this tool, replacing and removing screws from the Chevrolet oil pan is quick and easy. The tubular guide fits over the screw head readily and locates the bit positively in the slot, with no chance of slipping off. The flexible spring construction provides simple and easy action. Drilled with four holes to avoid accumulation of grease and dirt. $\frac{3}{8}$ " drive connection to fit any Junior Series Handles.

Satin nickel plate. Length 2". Weight 2 ozs.

NET PRICE, each.....\$1.50



**"VAN-CHROME"
BRAKE PIN SPRING COMPRESSOR
NO. 188**

For Chevrolet Huck Brakes

New—Distinctive—Original—and the simplest and quickest means of removing the special tension lock washers used on Huck brakes of all 1936 and later Chevrolet cars. A one-man tool that compresses the brake pin spring for instant removal or replacement of the special lock washers that fit into the pin groove. Saves at least one hour on every brake relining job.

The sixteen operations necessary to remove and replace these lock washers by common methods is a difficult, tedious and time-absorbing job requiring two men. With the Herbrand No. 188 compressor one man can do the job easily in five to eight minutes. Shops doing Chevrolet work cannot afford to be without this tool. It will pay for itself on the first job.

NO. 188, length 11". NET PRICE, each.....\$2.75

**"VAN-CHROME" CYLINDER HEAD
STUD BOLT WRENCH NO. 1945A**

Fits All Late Model Chevrolets



This wrench is especially designed to save time when removing or replacing cylinder head stud bolts and to eliminate the hazard of twisting them off. The combination of special angles and unique bends, combined with the proper box and socket type openings, conveniently reach all studs from one side of the motor.

Late model Chevrolets require this special wrench to efficiently handle cylinder head stud bolts, and mechanics will immediately appreciate its time and labor-saving qualities.

Scientifically engineered with the exact leverage required to securely tighten or break loose the most stubborn studs without danger of twisting them off. NO. 1945, length 13"; $\frac{3}{4}$ " 12-point openings. NET PRICE, each.....\$1.95



**REAR WHEEL BEARING
WRENCH NO. 1947**

For Chevrolet Trucks

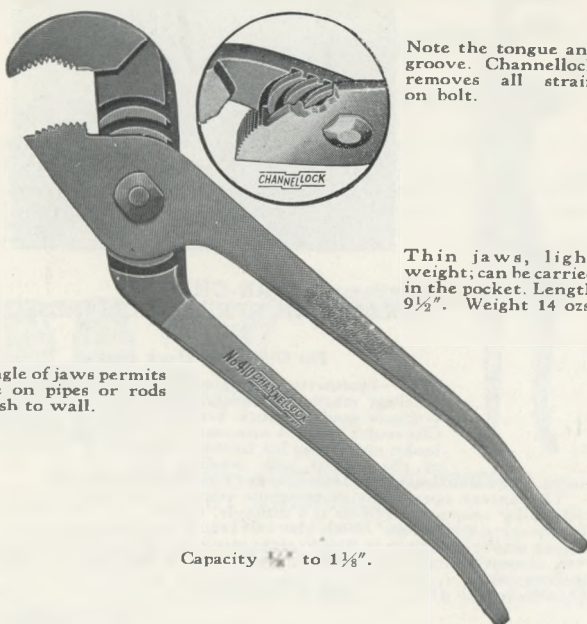
The Only Tool That Does the Job

Late model Chevrolet truck with full floating rear axle absolutely requires this wrench to remove the lock nuts and adjust the rear wheel bearings. The six spaced teeth accurately fit the slots in the lock spanner nuts, and the built-in pilot automatically centers in the axle tube, providing an easy means of removing and drawing up the nuts.

The tool is cross drilled with $\frac{3}{4}$ " holes to fit the 20" leverage bar which is supplied with the tool.

NO. 1947, Wrench and Bar. NET PRICE, each.....\$6.60
NO. 1947, Wrench without Bar. NET PRICE, each.....\$5.45

CHANNELLOCK PLIERS—SELF-GRIPPING



Note the tongue and groove. Channellock removes all strain on bolt.

Thin jaws, light weight; can be carried in the pocket. Length $9\frac{1}{2}$ ". Weight 14 ozs.

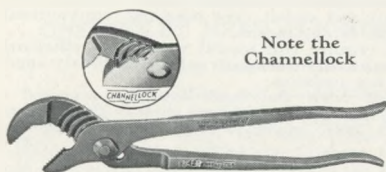
Angle of jaws permits use on pipes or rods flush to wall.

Capacity $\frac{1}{2}$ " to $1\frac{1}{8}$ ".

HEAVY DUTY CHANNELLOCK PLIER NO. 41

The tongue and groove Channellock joint of these new and revolutionary pliers provides a vise-like grip entirely independent of the gripping power of the user's hand. In fact, the most stubborn nut or pipe may be turned merely by applying pressure to one handle of the tool. The unusually large bearing surface of the Channellock joint provides quick and positive adjustment, and does away with any possibility of shearing the joint bolt even under the extreme power provided by these pliers. Made of highest grade Alloy Steel, toughened by triple heat treatment, these pliers will stand any strain that the user himself will put on them. They will give a positive grip on anything that can be inserted between the jaws, offering a multitude of uses. NO. 41, length $9\frac{1}{2}$ ". NET PRICE, each.....\$2.75

WATER PUMP PLIER NO. 42



Note the Channellock

The design of this plier makes it particularly serviceable in adjusting packing-glad nuts on practically all cars, trucks and smaller industrial engines. Light and thin, but of amazing strength because of the Channellock feature. No danger of the bolt breaking, all strain being removed

from the bolt because of the unique Channellock design.

NO. 42, length $9\frac{1}{2}$ "; capacity $\frac{1}{2}$ " to $1\frac{1}{8}$ ". NET PRICE, each...\$2.40

GENERAL PURPOSE PLIER NO. 40



Note the Channellock

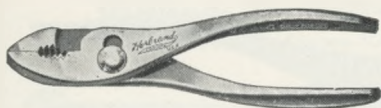
A new and revolutionary plier with the Channellock design, the jaws take positive grip of corroded and mutilated nuts. This plier is self-gripping. Pressure need be applied only to the one handle—the more pressure, the tighter the pliers grip. Because of the Channellock feature, removing all strain from the bolt, the plier is practically indestructible.

SELF-GRIPPING

This plier, because of the two adjustments provided, is very useful for a great many purposes, such as removing small grease plugs, Alemite and small copper pipe connections, and is also adaptable to brake rod connections, etc.

NO. 40, length 7"; maximum capacity $\frac{1}{4}$ " to $\frac{3}{16}$ ".

NET PRICE, each.....\$1.95



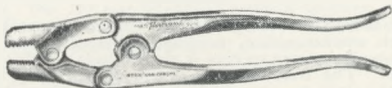
Combination Plier No. 151

With Slip Joint
Drop Forged from Carbon Steel and Heat Treated

The accurately milled sharp teeth of this general utility plier take a biting hold, and the short rounded nose is ideal for close gripping. The slip joint feature gives it a wide variety of uses. Individually hardened.

NO. 151-S, satin nickel finish. Length 6". Weight 8 ozs.

NET PRICE, each.....\$ 34



Multiduty Plier No. 178

Compound Action

Drop Forged from Chrome Vanadium Steel

The positive biting grip of the 10 to 1 power Multiduty gets pipe fittings and rods, tough and battered nuts, whether square, hex or rounded. Corroded and rusted nuts come easy with this amazing tool, which replaces many wrenches and several pairs of pliers. Range $\frac{1}{16}$ " to $\frac{3}{4}$ ", fitting all popular S.A.E. nuts.

Length 9". Weight 12 ozs.

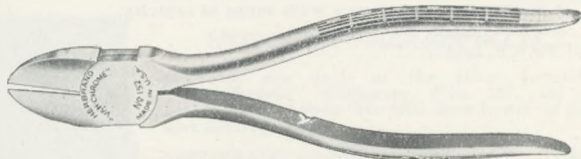
NET PRICE, each.....\$2.03



Eagle Beak Plier No. 155

Compound Action—For Studs, Brake Rods, Bolts, etc.
Ten Times More Gripping Power than an Ordinary Plier
This 10 to 1 Power Plier has a capacity of $\frac{1}{4}$ " to $\frac{3}{4}$ " round, and takes a positive biting grip on any square, round or irregular shapes. The teeth on the curved jaw are constructed similar to an alligator wrench to bite into the work, and the teeth on the lower jaw are square-cut to hold on firmly when pressure is applied. The positive biting grip gets pipe, fittings and rods, tough and battered nuts, whether square, hex or rounded. Corroded and rusted nuts come easy with this amazing tool which replaces many wrenches and several pair of pliers.

Satin nickel finish. Length 10". NET PRICE, each.....\$2.40



Heavy Duty Diagonal Cutter No. 152

Unequalled in Toughness and Cutting Power

Drop Forged, Heat Treated and Individually Tested

At last! A real pair of Diagonals. Unequalled for sheer cutting ability. The perfectly aligned cutting blades are hand filed and honed to retain their clean, sharp edges. Precision built, with a short fulcrum to provide a powerful leverage with a minimum of hand pressure, and equipped with an easy-riding joint. The handles are full fashioned and deeply knurled in a special pattern to provide a comfortable, non-skid grip. The gracefully tapered nose is designed for maximum clearance in confined working quarters.

Many special features are incorporated in the design of this Herbrand Diagonal. Individually drop forged from grain controlled Tool Steel of special analysis, hardened and tempered by thorough heat treatment all the way through to impart a toughness and keen cutting power which will give unflinching service. Smoothly ground and hand polished.

Length $7\frac{1}{2}$ ". Weight 8 ozs.

NET PRICE, each.....\$2.92



General Purpose Plier No. 157

Drop Forged from Special Alloy Steel—Double Heat Treated and Tempered

Here is the answer to the mechanics' demand for a general-purpose plier in which workmanship, material and design have been combined in a most unusual manner to give it the highest possible efficiency over a wide range. The handles, which are deeply knurled and curved outward at the ends to prevent slipping, have been expertly proportioned to provide powerful leverage. The finely tapered jaws will reach into confined spaces and their accurately milled (not stamped) teeth will take a positive biting grip on anything they engage.

The side cutters have hand-honed, perfectly aligned cutting jaws which will retain their clean, sharp cutting edges indefinitely, and a double slip joint provides a wide range of capacity.

The No. 157 is an exceedingly high-grade plier and an indispensable part of every mechanic's kit.

NO. 157, length 7".

NET PRICE, each.....\$2.20



General Purpose Plier No. 156

The No. 156 Plier is of the same general construction and high-grade quality as the No. 157. Lighter and smaller than its larger brother, it will, nevertheless, be found to have a wide range of efficiency.

Sturdily built, yet with a medium-thin nose, this powerful little plier has precision, machined jaws that will hold a hair.

For all work where small parts have to be contended with this No. 156 is indispensable.

The handles are knurled and shaped to fit the hand for easy gripping.

A double slip joint gives a wide range of capacity.

NO. 156, length 6".

NET PRICE, each.....\$1.57



Metal Cutting Snips

For Straight, Circular and Irregular Shapes

Drop Forged, Heat Treated and Adjusted

For cutting intricate patterns or curves, cleanly and smoothly, without bending the metal, these special "duck-bill" snips have no equal. The thin cutting edges of the blades, with well-balanced, strong leverage handles, produce a cutting quality that cleanly cuts body, sheet metal or other heavy materials with ease.

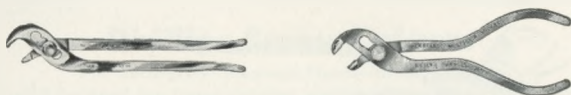
Available in two popular sizes for automotive application. The 7" is particularly adapted to cutting shims and gaskets; the 12" cuts larger areas and heavier metals.

NO. TS-7, length 7". Cut 1 1/4". Weight 7 ozs. NET PRICE, each. \$1.40

NO. TS-12, length 12". Cut 3". Weight 1 1/2 lbs. NET PRICE, each. 2.20

Original Multigrip Pliers

Drop Forged from Chrome Vanadium Steel



MULTIGRIP MIDGETS NOS. 167 AND 167 1/2

Little giants of capacity and utility for ignition, radio and general electrical work. No. 167 has finger-tip control handles. No. 167 1/2 full grip handles. Range 0" to 1/16". Length 4 1/2". Weight 2 ozs.

NO. 167-N, hand polished nickel.

NET PRICE, each.....\$1.20

NO. 167 1/2-N, hand polished nickel.

NET PRICE, each.....\$1.24



MULTIGRIP JUNIOR NO. 168

A versatile tool for general service—replaces the conventional type plier. It fits the popular sizes of S.A.E. nuts, and the handy 7 1/2" length and small head are very convenient for reaching into close quarters. Range 0" to 3/4". Length 7 1/2". Weight 4 1/2 ozs.

NO. 168-N, hand polished nickel.

NET PRICE, each.....\$1.20



MULTIGRIP PLIERS NOS. 166 AND 166 1/2

Originated by Herbrand to fit water pump pack nuts on all cars. These pliers serve such an extremely wide variety of uses that they are recognized as the most important tool in the mechanic's kit.

NO. 166 has 5 slip joint adjustments and range of jaw opening from 1/8" to 1 1/8". Length 9 1/2". Weight 8 ozs.

NO. 166-S, satin nickel, polished heads.

NET PRICE, each.....\$1.35

NO. 166 1/2 is designed with 7 different positions of adjustments, providing jaw capacity from 0" to 2". Length 9 3/4". Weight 12 ozs.

NO. 166 1/2-S, satin nickel, bright heads.

NET PRICE, each.....\$1.50

MULTIGRIP PLIER SET NO. M-3

Contains one each of the three distinctive "Van-Chrome" Multigrips, Nos. 167, 168 and 166 1/2. This handy kit will save hours of time and labor.

NET PRICE, complete.....\$3.65

SERVICE STATION UTILITY KIT NO. M-4

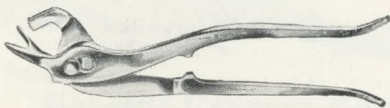
This 3-pocket genuine cowhide leather holster carries the No. 168-S Multigrip Plier, No. 310 2" blade Screw Driver, and No. 312 3" blade Driver, which are the most necessary tools around the service station. The Screw Drivers have insulated handles. Holster is designed with slits to slip through the operator's belt, keeping these three tools always ready for immediate use.

NET PRICE, complete in leather holster.....\$3.53



Battery Service Tools

Original Herbrand Creations



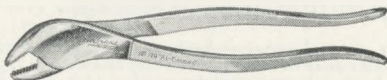
PAT. NO. 1678313

"VAN-CHROME" TERMINAL LIFTER AND SCRAPER NO. 177

Drop Forged from Chrome Vanadium Steel

Under the powerful leverage of this tool, badly frozen or corroded battery terminals snap up easily without marring, cracking or loosening the plates or injuring the tops of the cells. A special release joint dismembers the plier, providing one section with a serrated nose for cleaning terminals and the other with sharp jaws for scraping posts.

NO. 177-N, hand polished nickel. Length 10½". Weight 13½ ozs.
NET PRICE, each.....\$2.50



"VAN-CHROME" BATTERY PLIER NO. 179

30° Angle Jaws—Hand-fit Handles

Drop Forged from Chrome Alloy Steel

This popular, improved battery plier is original Herbrand design. The gripping jaws are serrated to take positive hold of terminal nuts, even though badly corroded, mutilated or eaten away. The jaws are set at 30° angle for easy accessibility, regardless of position of battery. The nose is tapered both sides to clear filler caps. Handles are curved for hand-fit grip.

Range ½" to 1". Length 8". Weight 7 ozs.

NO. 179-S, satin nickel, bright head.
NET PRICE, each.....\$1.38



BATTERY AND STARTER NUT WRENCH NO. 276

12-Point Openings—Panelled Handles

Drop Forged from Select Tool Steel

Here is a specially designed box type wrench with 12-point openings for either the removal or installation of the battery cable. One end has a 9/16" opening and fits battery terminal bolt nuts; the other end has a 5/8" opening and fits the copper nut on the starter switch, or starter motor connection. Satin nickel plate, buffed heads.

Length 6". Weight 2½ ozs.

NET PRICE, each.....\$.67



BATTERY SERVICE SET NO. B-3

The three tools in this kit are recognized by battery experts as the most essential and efficient for practically any type of battery service work. It carries the patented Battery Terminal Lifter and Scraper No. 177-S; the improved 30° angle No. 179-S Battery Plier with curved hand-fit grip; and No. 276 Battery and Starter Nut Wrench.

Tools are fully described above. Weight 1 lb 10 ozs.

NET PRICE, complete in pocket leatherette roll...\$4.30



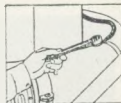
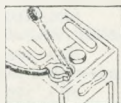
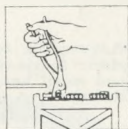
Lifting Battery Terminal

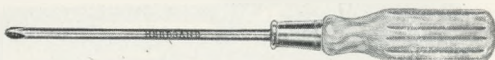


Dismembered for Cleaning



Scraping Terminal Post





Phillips Screw Drivers

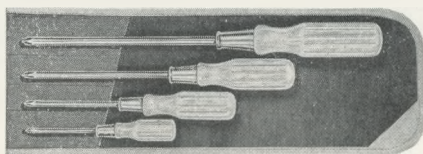
For Four-point Recessed Heads—Self-centering

Specially designed for faster driving and better holding power, and to accurately fit the tapered four-point recesses in the heads of Phillips screws and bolts.

The bits center automatically in the screw heads. They will not slip, break screw heads or cause damage to upholstery fabrics or mouldings. An absolute necessity, because these new screws are on all popular cars.

High quality hardwood handles and Chrome Alloy Steel blades. Available in four individual sizes or in complete sets.

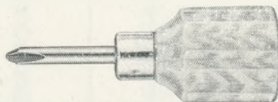
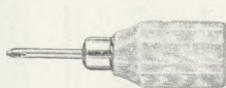
Cat. No.	Fits Phillips Screws	Length of Blade	Overall Length	Dealer Net Price
361	No. 4 and smaller	3	6½	\$.56
362	Nos. 5 to 9, incl.	4	8½	.65
363	Nos. 10 to 16, incl.	6	11	.75
364	No. 18 and larger	8	14½	1.00



SET NO. 360, one each of the above drivers.

DEALER NET PRICE, in cardboard box.....\$3.16

DEALER NET PRICE, in leatherette case.....\$3.55



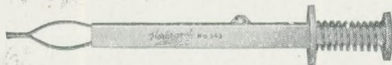
Phillips Screw Drivers

Stubby Type—4-Point Bits for Recessed Screws

This stubby type Phillips Screw Driver is very practical for inaccessible places, windshield moulding screws on G.M.C. and other cars, or wherever Phillips screws are used. High quality varnished wood handles with polished alloy blades. No. 358 fits Phillips Screws No. 4 and smaller; No. 359 fits Nos. 5 to 9.

NO. 358. Length blade 1", overall 3". NET PRICE, each....\$.48

NO. 359. Length blade 1½", overall 3½". NET PRICE, each....56



Screw Starter and Pick Up Tool

Capacity—All Screws

Tempered Steel Spring Jaws

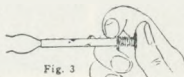
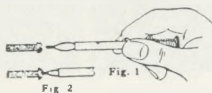


FIG 2

Fig. 3

Fig. 1 to engage screw slot. The square tube only is held—the pluners left entirely free; place spring jaws in screw slot; push down on square tube.

Fig. 2 shows position of spring jaws holding screw after being forced into screw slot.

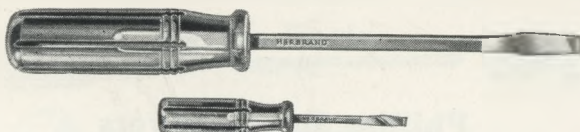
Fig. 3 shows plunger being forced down to release screw; also position for pick-up tool.

This tool will instantly grasp any size screw and positively hold it. Like a magic finger it places, starts and sets them up in the most inaccessible and awkward locations. Invaluable for radio, speedometer, ignition and dash panel work.

It is also convenient as a pick-up tool for retrieving small parts in hard-to-get-at spots. Available in two lengths.

NO. 343, length 4". NET PRICE, each.....\$.85

NO. 344, length 6". NET PRICE, each.....1.05



Protectogrip Screw Drivers

Insulated Handles

Blades Forged from Chrome Tungsten Tool Steel

The transparent amber handles are perfect insulators against electricity and will stand eight thousand volts or more. Just the right size to fit snugly into the palm, and the special deep fluted design prevents slipping even in greasy hands. These handles are individually machined from bars of Pyralin, which are carefully cured to provide indestructible qualities.

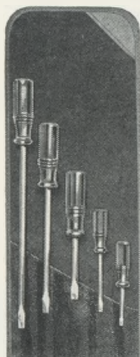
The blades are cross-forged from Chrome Tungsten Alloy Steel, and this special Herbrand forging process strengthens the blades and enhances the appearance. The tips are accurately ground to standard gauges, insuring a positive non-slip fit in screw slots. Only square stock is used on the blades, which permits using a wrench for extra leverage.

The shanks of the blades extend far into the handles to prevent any possibility of turning. The blades are heat treated to give maximum service and resiliency.

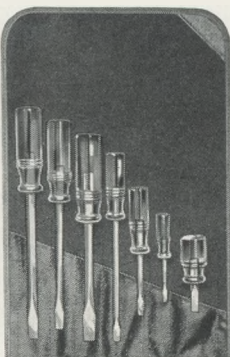
Protectogrip are the toughest, strongest screw drivers ever offered the automotive trade, and they will stand surprising abuse and wear. Blades are triple plated in satin nickel with polished points.

Cat. No.	Length of Blade	Size Sq. Stock	Overall Length	Net Price Each
310	2	$\frac{1}{8}$	$4\frac{3}{16}$	\$.37
311	3	$\frac{1}{8}$	$4\frac{3}{16}$	.41
*311A	6	$\frac{1}{8}$	$7\frac{1}{2}$	.60
312	3	$\frac{1}{8}$	$6\frac{1}{4}$	.67
313	6	$\frac{3}{16}$	$9\frac{1}{4}$	.80
314	9	$\frac{3}{16}$	$12\frac{1}{4}$	.86
315	$1\frac{1}{4}$	$\frac{1}{4}$	$3\frac{1}{2}$	.86
315A	4	$\frac{1}{4}$	8	1.05
316	6	$\frac{1}{4}$	10	1.15
317	10	$\frac{1}{4}$	14	1.30
318	$1\frac{1}{4}$	$\frac{3}{16}$	$3\frac{1}{2}$	.90
319	7	$\frac{3}{16}$	11	1.35
320	12	$\frac{5}{16}$	$16\frac{1}{4}$	1.55
321	6	$\frac{3}{8}$	$10\frac{1}{4}$	1.70
322	12	$\frac{3}{8}$	$18\frac{1}{2}$	2.20
323	16	$\frac{3}{8}$	$22\frac{1}{2}$	2.35

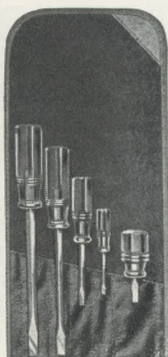
*Special for electrical and carburetor work.



SET NO. SD-5



SET NO. SD-7



SET NO. SD-6

Protectogrip Screw Driver Sets

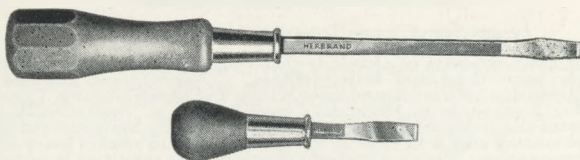
SET NO. SD-5, for electrical, ignition and radio service, carries five slim, narrow shank drivers, Nos. 310, 311, 312, 313, 314.
NET PRICE, in pocket leatherette case.....\$3.25

SET NO. SD-6, carries a well balanced assortment of five Protectogrip Screw Drivers in daily demand. Contains Nos. 310, 312, 313, 315, 316 and 319.

NET PRICE, in pocket leatherette roll.....\$4.65

SET NO. SD-7, a general service assortment containing a wide range of seven genuine Protectogrip Screw Drivers that fill an all-purpose need. Includes Nos. 310, 312, 313, 315, 316, 319 and 321.

NET PRICE, in pocket leatherette roll.....\$7.10



Wood Handled Screw Drivers

Smoothly Turned Handles

Blades Forged from Chrome Tungsten Tool Steel

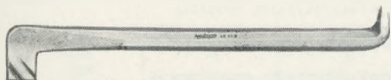
The long, slender taper blades have accurately ground points for the perfect gripping of screw slots. The handles are turned from clear, selected birch with white shellac finish. These screw drivers are the best balanced and strongest wood handled screw drivers on the market. The blades are cross-forged from Chrome Tungsten Alloy Tool Steel, and are heat treated to provide utmost strength and resiliency. The square stock of Chrome Tungsten Tool Steel is firmly imbedded in the handle and securely bound in with a heavy steel ferrule to prevent working loose.

These sturdy drivers are practically unbreakable and will stand up under the most severe wear and usage. The Herbrand distinctive process of cross-forging contributes to their extra strength and general appearance. The blades are triple plated in satin nickel, and the points are brightly polished.

Cat. No.	Length of Blade	Size Sq. Stock	Overall Length	Net Price Each
330	3	$\frac{3}{16}$	$7\frac{1}{4}$	\$.41
331	6	$\frac{3}{16}$	$10\frac{1}{4}$	.52
332	9	$\frac{3}{16}$	$13\frac{1}{4}$	.54
333	$1\frac{1}{4}$	$\frac{1}{4}$	$3\frac{3}{4}$	.41
334	6	$\frac{1}{4}$	$11\frac{1}{4}$	.60
335	10	$\frac{1}{4}$	$15\frac{1}{4}$	.82
336	7	$\frac{5}{16}$	$12\frac{1}{2}$	.80
337	12	$\frac{5}{16}$	$17\frac{1}{2}$	.86
338	6	$\frac{3}{8}$	$12\frac{1}{4}$	.86
339	12	$\frac{3}{8}$	$18\frac{1}{4}$	1.05
340	16	$\frac{3}{8}$	$22\frac{1}{4}$	1.12

NO. 341, special upholstery screw driver for socket-head screws on Chevrolet and other trucks. Length $6\frac{1}{4}$ ".

NET PRICE, each.....\$.45

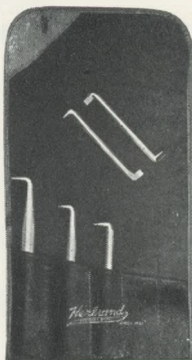


Offset Screw Drivers

Forged from Chrome Tungsten Steel

The bits of the "Van-Chrome" double-end Offset Drivers are set at right angles to each other, with the exception of No. 352, which has the blades forged at a 45° angle instead of 90°, and is an ideal companion for No. 351. The large size No. 355 is especially adapted to drag link adjustments. These screw drivers come in a range of five popular sizes and are sold individually or in a complete set.

Forged from Chrome Tungsten Tool Steel with octagon handles, heat treated throughout, and finished in satin nickel plate with brightly buffed blades.



SET NO. 350

Cat. No.	Size Stock	Length	Net Price Each
351	$\frac{1}{4}$	$4\frac{1}{4}$	\$.60
352-45°	$\frac{1}{4}$	$4\frac{1}{4}$	.64
353	$\frac{3}{16}$	$5\frac{1}{2}$	.68
354	$\frac{3}{8}$	$6\frac{1}{2}$	.75
355	$\frac{1}{2}$	$7\frac{1}{2}$	.90

SET NO. 350 comprises one each of the above five sizes, in attractive leatherette, flannel-lined tool roll. Weight 1 lb.

NET PRICE, complete.....\$3.50

"VAN-CHROME" CHISELS

Forged from Chrome Tungsten Tool Steel, Nickel Plated

The chief requisite of chisels is that they resist the severe demands made upon them and defy breakage. "Van-Chrome" Chisels are individually hammer forged from strong and tough Chrome Tungsten Alloy Steel made to Herbrand's special formula. Individually heat treated and tempered in perfectly timed electrically controlled furnaces. The cutting edge is beveled at the correct angle to remain sharp under extreme abuse. They are so finely tempered that they may be redressed with a file, yet stand up under the hardest usage.

Herbrand "Van-Chrome" Chisels are designed for perfect balance, and have octagon-shaped handles for better gripping. Each "Van-Chrome" Chisel is branded with the Herbrand mark of distinction, which is your guarantee of quality. Nickel finish and rust-proof. Polished blades.



FLAT CHISELS

Cat. No.	Size Stock	Width of Bit	Length	Net Price Each
400	$\frac{5}{16}$	$\frac{5}{16}$	5	\$.42
401	$\frac{5}{16}$	$\frac{3}{8}$	5	.42
402	$\frac{3}{8}$	$\frac{1}{2}$	6	.45
403	$\frac{1}{2}$	$\frac{5}{8}$	6	.52
404	$\frac{5}{8}$	$\frac{3}{4}$	7	.67
405	$\frac{3}{4}$	$\frac{7}{8}$	8	1.00
406	$\frac{7}{8}$	1	9	1.30
407	$\frac{7}{8}$	1	18	1.87



CAPE CHISELS

410	$\frac{5}{16}$	$\frac{1}{32}$	5	\$.42
411	$\frac{3}{8}$	$\frac{5}{16}$	6	.45
412	$\frac{1}{2}$	$\frac{3}{8}$	6	.52



GOUGE CHISELS

420	$\frac{5}{16}$	$\frac{1}{32}$	5	\$.42
421	$\frac{3}{8}$	$\frac{1}{4}$	6	.45



DIAMOND POINT CHISELS

430	$\frac{3}{8}$	$\frac{5}{64}$	5	\$.42
431	$\frac{3}{8}$	$\frac{1}{8}$	6	.45



"VAN-CHROME" RIVET SHEARING CHISELS



Designed to Shear Rivets Cleanly

Drop Forged from Chrome Vanadium Steel

Good rivet-shearing chisels are an important tool in every mechanic's equipment, because they save valuable parts by removing them quickly without damage.

The sharp nose on the cutting end of Herbrand Rivet-shearing Chisels is pitched at an angle that provides ample clearance for the hands, avoiding injury. The 10" and 14" lengths reach into the most confined quarters. Their keen cutting edges are ground to an angle that gets under the rivet heads, and the full force of the blow is exerted on the shear blades, cutting the rivets off cleanly and quickly.

Forged from a select $\frac{3}{4}$ " octagon Chrome Vanadium Steel for rigidity and utmost strength to withstand the severe pounding to which they are subjected.

NO. 486, 10" long
NET PRICE, each.....\$1.75

NO. 487, 14" long.
NET PRICE, each.....\$2.00

"VAN-CHROME" PUNCHES

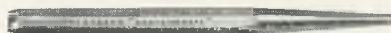
Forged from Chrome Alloy Steel, Nickel Plated

Constructed for strenuous driving, piercing and marking purposes, they will retain their points permanently. Herbrand "Van-Chrome" Punches are carefully forged from the toughest Chrome Alloy Steel and scientifically heat treated for the utmost possible endurance. Nickel plated triple in satin with points polished to a high lustre.



PIN PUNCHES

Cat. No.	Size Stock	Diameter of Point	Length	Net Price Each
440	5/16	1/8	4 1/2	\$.35
441	5/16	5/32	4 1/2	.35
442	5/16	1/4	4 1/2	.35
443	5/16	5/32	6	.42
444	3/8	5/32	6 1/2	.45
445	3/8	7/32	6 7/8	.50
446	3/8	1/4	7	.52
447	1/2	5/16	7 1/2	.60



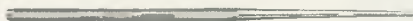
SOLID TAPER PUNCHES

450	3/8	1/16	4 1/2	\$.35
451	3/8	5/16	5	.45
452	1/2	1/4	6	.60
453	5/8	5/16	7	.75



LONG TAPER PUNCHES

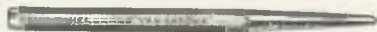
460	3/8	1/8	8	\$.52
461	1/2	5/32	9	.71
462	5/8	1/4	11	.90



LONG ALIGNING PUNCHES

463	3/8	3/16	12	\$1.12
464	1/2	7/32	14	1.27
465	5/8	1/4	16	1.45

SET NO. C-9, 1 each of above, in leatherette roll.....\$3.95



CENTER PUNCHES

470	5/16	1/8	4 1/2	\$.35
471	3/8	7/32	5	.45

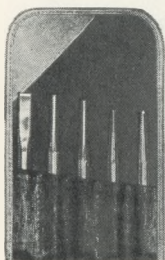


"VAN-CHROME" JIMMY BARS

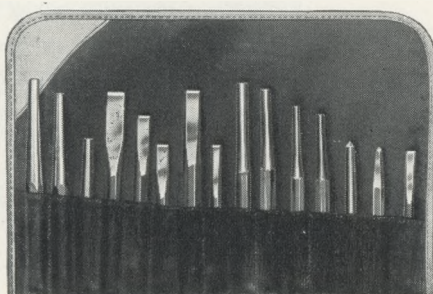
Forged from Chrome Alloy Steel, Nickel Plated

Invaluable for prying, alignment work and many other purposes. One end has a long, sharp-pointed taper; the other end has a sharp, curved leverage blade. Drop forged from special Chrome Alloy Steel and permanently finished in satin nickel with brightly polished points.

Cat. No.	Size Stock	Diameter of Point	Length	Net Price Each
480	1/2	1/8	12	\$.90
481	5/8	5/32	16	1.45
482	3/4	1/4	20	2.05



PUNCH SET NO. C-10



PUNCH AND CHISEL SET NO. C-15

"VAN-CHROME" PUNCH AND CHISEL SETS

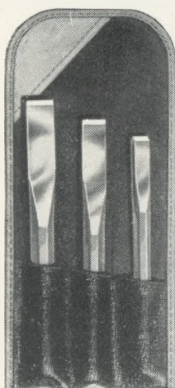
Carrying the Strongest Cutting and Piercing Tools

NO. C-10 Punch Set, Vest Pocket Size. An assortment of handy small Punches and Chisel, especially useful for electrical work. Comprises one each of assorted Punches, Nos. 440, 441, 450 and 470, and Chisel No. 400.

NET PRICE, in flannel-lined leatherette roll.....\$1.85

NO. C-15 Super Punch and Chisel Set. A well-balanced assortment of the fifteen most popular Punches and Cutting Tools which equip the mechanic for any job. Contains one each of Chisels, Nos. 401, 402, 403, 410, 412, 421 and 431; assorted Punches, Nos. 443, 444, 445, 446, 451, 452, 453 and 471.

NET PRICE, in flannel-lined leatherette roll.....\$7.25



CHISEL SET NO. C-3

NO. C-3 "Van-Chrome" Chisel Set. One each Nos. 402, 403 and 404.

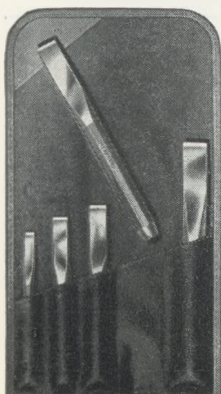
NET PRICE, in leatherette roll.....\$1.70

NO. C-5 "Van-Chrome" Chisel Set. One each Nos. 402, 403, 404, 405 and 406.

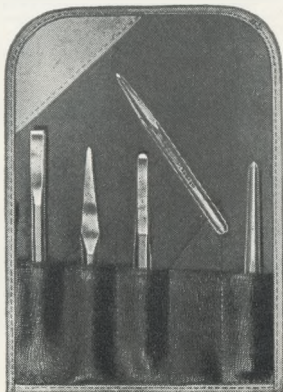
NET PRICE, in leatherette roll.....\$3.90

NO. C-6 "Van-Chrome" Assorted Chisel and Punch Set. One each of Chisels, Nos. 401, 410, 420, 430, and No. 471 Center Punch.

NET PRICE, in leatherette roll.....\$2.15



CHISEL SET NO. C-5



CHISEL SET NO. C-6



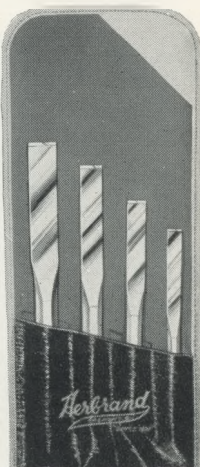
"VAN-CHROME" LONG-REACH CHISELS

Rounded Cutting Edge—Cuts Faster
Drop Forged from Chrome Alloy Steel

A distinct improvement and the most useful all-around chisel ever designed for auto repair and body shops. The thin, long-reach blade is forged flat half the length of the chisel for easy access in close quarters. The curved bevel edge increases cutting speed without wedging. These chisels may be sharpened many times by redressing with a file. Plated in satin nickel.

SET NO. C-7, or one each of the following numbers 415 to 418.

NET PRICE, in leatherette roll \$3.25



Cat. No.	Size of Stock	Width of Blade	Length	Net Price Each
415	$\frac{3}{8}$	$\frac{3}{8}$	6 $\frac{1}{2}$	\$.52
416	$\frac{1}{2}$	$\frac{1}{2}$	7	.60
417	$\frac{5}{8}$	$\frac{5}{8}$	8	.82
418	$\frac{3}{4}$	$\frac{3}{4}$	9	1.25



"VAN-CHROME" MULTIUSE PRY BARS

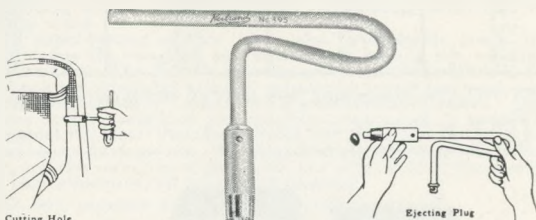
Drop Forged from Chrome Vanadium Steel

The novel design of the forged head of these pry bars permits a great many uses never before found in any tool. They have all the utility of the older types plus additional value as a pry for taking off gears, bushings, bearings, grease caps, grease retainers, ball races and lifting cylinder heads. The tapered end can be used for lining up body and fender bolt holes, motor support bolt holes, etc.

No pry bar on the market can compare with this new type Herbrand Pry Bar, which is designed for dozens of new uses and built to stand up under the heaviest work. The pry point is thinned down to readily engage close-fitting parts, and the rounded heel supplies a powerful leverage. Made in two sizes.

NO. 484, length 18". NET PRICE, each \$2.25

NO. 485, length 15". NET PRICE, each 1.75



HOSE CUTTING TOOL NO. 495

For Perfect Water Heater Connections
Detachable Cutting Socket

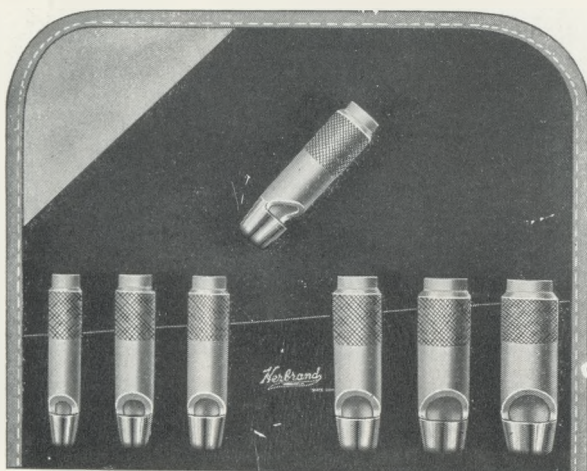
Cutting a perfect circle in hose connections where tight fit is absolutely necessary becomes a matter of seconds with the new Herbrand Hose Cutting Tool. Obsolete jack-knife methods are not only hazardous but make ragged, leaky connections. This tool cuts a clean, perfect circle $\frac{5}{8}$ " in diameter, leaves no ragged edges, permitting a fit so snug that leakage of water and expensive anti-freeze solutions is eliminated. The sharp cutting edge is tapered to minimize pressure required and for ease of cutting. Hose need not be removed to cut perfect hole, because the plug of rubber is held firmly inside of the cutter. The specially constructed handle end ejects the plug readily. The Cutting Socket is easily detachable, but firmly held in place with a lock-on ball and spring. It has a $\frac{1}{2}$ " square drive for ready use with all Junior Series Handles, but we recommend the special T Handle designed for this purpose.

Satin nickel finish. Height 5". Handle width 6 $\frac{1}{2}$ ". Weight 7 ozs.

NO. 495A, Socket Cutting Attachment only. NET PRICE, each \$.68

NO. 495B, T Handle only. NET PRICE, each .60

NO. 495, Cutting Socket and Handle. NET PRICE, complete 1.28



SET NO. 770

"Van-Chrome" Gasket Cutting Punches

For Cutting Gaskets, Shims, Templates, etc.

Drop Forged from Chrome Vanadium Steel

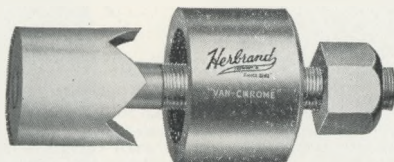
When gaskets, shims or templates must be cut on the job, the newly designed Herbrand Gasket Punches will be found invaluable and economical from a time-saving standpoint. They cut perfectly and equally well on sheet packing, rubber, lead, brass, copper, leather and other materials. Mechanics and engineers in garages, oil refineries, power stations, steamships and industrial plants cannot afford to be without them, especially when an emergency requires the immediate replacement of gaskets. A special heat treating and tempering process gives them extra toughness and a clean cutting quality that delivers a perfect job.

Punch Number	Cutting Size Diam.	Length	Net Price Each
771	$\frac{1}{4}$	$2\frac{7}{8}$	\$.75
772	$\frac{5}{16}$	$2\frac{7}{8}$	.80
773	$\frac{3}{8}$	$2\frac{7}{8}$	.80
774	$\frac{7}{16}$	$2\frac{7}{8}$	.85
775	$\frac{1}{2}$	$2\frac{7}{8}$	.85
776	$\frac{9}{16}$	$2\frac{7}{8}$	.92
777	$\frac{5}{8}$	$2\frac{7}{8}$	.92

SET NO. 770, comprising one each of the seven above Cutting Punches.

NET PRICE, in fibre box.....\$5.85

NET PRICE, in leatherette case..... 6.35



"Van-Chrome" Dash Cutters

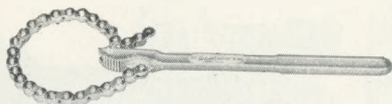
FAST—LONG LIFE—CLEAN CUTTING

When cutting holes in metal dash for installing radios, heaters, etc., this cutter has no equal. It works on the punch and die principal and does not revolve. The forcing screw pulls the punch into the close-fitting die, leaving a perfect smooth round hole.

Made in three sizes. No. 898 cuts 1" hole; No. 899 cuts $1\frac{1}{4}$ " hole; No. 895 cuts $2\frac{1}{2}$ " hole.

NO. 898 or NO. 899. NET PRICE, each.....\$2.80

NO. 895, special size for air-conditioners. NET PRICE, each... 5.60



NO. 864 "VAN-CHROME" MASTER CHAIN WRENCH

Capacity $\frac{1}{2}$ " to $4\frac{1}{2}$ "—For Any Shape Nut, Pipe or Rod

This all-purpose tool is so flexible in application that it is invaluable on many difficult jobs in industrial as well as automotive shops. Equally efficient on cars, trucks, tractors or machinery because it fits any shape nut, pipe or rod whether round, square or hex. The chain slips easily around the work in the most confined quarters and locks automatically in any position for an irresistible pull. It is very practical for knee action and shifting lever caps and any hard-to-grip objects.

The special heavy-duty chain is very carefully made to handle any work within its capacity. It is an extended pin type especially made for this wrench and will withstand a pressure of 3,200 pounds, but it is not guaranteed against abuse.

The handle is drop forged from select Chrome Vanadium Steel, and heat treated for extreme toughness. The working end of the handle is milled with extra deep teeth for a full bite that prevents all danger of slipping—the harder the pull the stronger the bite.

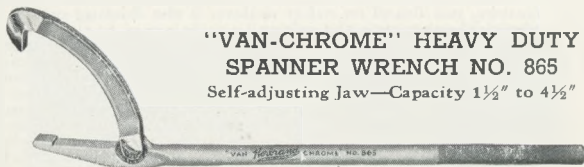
Length of handle 12", length of chain 16".

NO. 864, Wrench, complete with chain.

NET PRICE, each.....\$4.35

NO. 864C, Chain only.

NET PRICE, each..... 1.57



"VAN-CHROME" HEAVY DUTY SPANNER WRENCH NO. 865

Self-adjusting Jaw—Capacity $1\frac{1}{2}$ " to $4\frac{1}{2}$ "

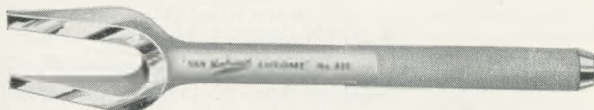
Drop Forged from Chrome Vanadium Steel

An important new tool that serves a multitude of uses in any automotive repair or industrial shop and is especially vital for truck, tractor or heavy machinery work. Very efficiently removes or tightens spanner or turret nuts, water pump gland nuts, packing nuts on caterpillar transmissions, exhaust pipe lock-nuts, removing grease retainers, adjusting drive shaft bearings on International truck differentials, straightening fender beads, and is an outstanding performer for car wrecking work.

The super-power of this "new idea" Adjustable Hook Spanner Wrench defies the toughest nut turning or pulling job, especially on large diameters. The flexible capacity and automatic adjusting feature of the hook jaw instantly grip any spanner or turret nut with a pulling force that makes them "come" with a minimum of effort. Designed with the utmost simplicity and sturdily constructed, it is drop forged from special Chrome Vanadium Steel and heat treated to resist the abuse of heavy duty service. The long leverage bar exerts an irresistible power, and the correctly angled hook jaw takes hold of the work with a grip that eliminates all hazards of slipping.

NO. 865, capacity $1\frac{1}{2}$ " to $4\frac{1}{2}$ "; overall length 21".

NET PRICE, each.....\$3.85



"VAN-CHROME" PITMAN ARM WEDGE NO. 833

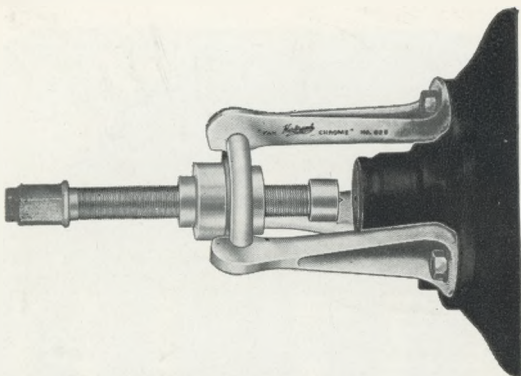
Most Universal Pitman Arm Puller Made

Drop Forged from Chrome Vanadium Steel

Easy and fast in operation, positive in action, this new puller removes pitman arms safely in half the time required by the ordinary tool. Almost universal in scope, it operates freely on most any make of car.

The wedge-shaped principal of pulling eliminates undue strain on costly steering assemblies. This tool can, therefore, be used without fear of damage to parts. It gets into close quarters, requires no additional equipment or adjustments, yet forces the pitman arm from the splined shaft in the shortest possible time with little effort.

Length 12". Weight 2 lbs. NET PRICE, each.....\$3.65



"VAN-CHROME" UNIVERSAL HUB WHEEL PULLER NO. 825

Capacity for Most Cars

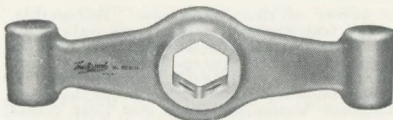
No hub puller on the market, regardless of price, can compare with the newly perfected Universal No. 825. The revolutionary features embodied give the highest degree of accuracy, tremendous power and range, a straight pull that will not bend or distort wheel lugs, a sliding bearing in which the driving screw rides, and a floating cap on the screw end. The sturdy alloy steel screw works in a sliding bearing, so that when it is necessary to bump the end of the screw it positively cannot injure the threads, as is often the case where the screw works in the solid hub of other type pullers. The fine threading of the screw gives it a powerful thrust and will stand tremendous punishment, because it is scientifically heat treated to exacting specifications. Another unique feature, not found on other pullers, is the floating cap on the screw end, which centers on the axle and avoids injury to either axle or screw. These distinctive Herbrand features improve the tool so remarkably that it is immediately obvious to the mechanic that no injury can be transmitted to any of the inner parts of the wheel, axle or differential.

The simplest puller made yet covering the widest range of service without the use of any trick attachments. Complete in itself—requires no taking apart—nothing to assemble—and combines the best features of both puller and knock-off. The sliding arms are readily adjustable and quickly adapted to any hub, regardless of the number of wheel studs used and where the bolt circle does not exceed $7\frac{1}{2}$ ". Thoroughly tested in laboratory and on all makes of cars, it exerts a direct and tremendous pull without resorting to pounding or hammering. Only Herbrand provides the Universal Hub Puller with sliding bearing and floating cap.

The toughest, most stubborn hub responds quickly to the persuasive power of the Universal Hub Puller.

NO. 825, $7\frac{1}{2}$ " expansion. Weight 9 lbs. 10 ozs.

NET PRICE, each\$11.50



DRIVE HANDLE FOR HUB PULLERS NO. 825H

Notched for Lock-on Feature

Drop Forged and Heat Treated

This handle will fit the No. 825 or any wheel puller which has a $1\frac{1}{8}$ " hex driving head. Designed with heavy striking faces.

NO. 825H, satin nickel. Length 8". Weight 2 lbs.

NET PRICE, each\$1.50

NO. 825-5, Extra Drop Forged Alloy Steel Puller Arms for No. 825 Puller. Satin nickel.

NET PRICE, each\$1.60

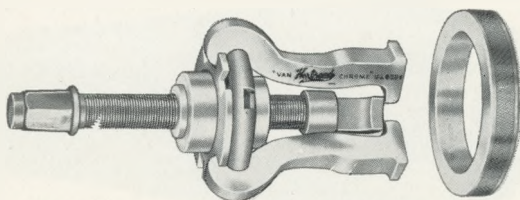
"VAN-CHROME" FORD HUB AND WHEEL PULLER ATTACHMENT FOR NO. 825

For All Ford Models from 1928

The NO. 825-V Ford Assembly contains three No. 825-6 Ford Pulling Arms, also one No. 825-7 Retainer Lock Ring, one No. 825-8 Automatic Arm Spacer and one Retaining Spring for use on the No. 825 Universal Puller.

With this assembly the No. 825 can be converted into a special (No. 825F) puller for all model Fords. (See illustration, page 81.)

NO. 825-V ASSEMBLY—NET PRICE\$6.60



NO. 825F

**"VAN-CHROME" FORD HUB AND WHEEL PULLER
NO. 825F**

For All Ford Models from 1928

Solid Drop Forged Hub—Drop Forged Chrome Alloy Pulling Arms

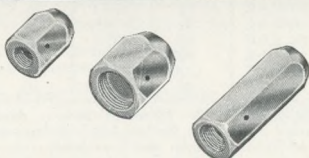
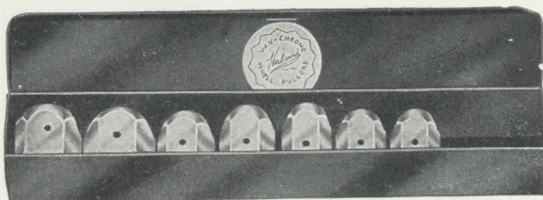
The three drop forged Chrome Alloy pulling arms are shaped to accurately fit and positively engage the groove in the hub. The retainer ring slides over the arms and locks them into the hub groove while pressure is being exerted on the drive screw, preventing all possibility of slipping or popping off the work.

The automatic arm spacer, mounted on top of the drop forged hub of the puller, exactly spaces and holds the arms in position while the tool is being applied to the work. It has six positions of adjustment, making the tool interchangeable with the standard arms of Puller No. 825 for pulling from stud bolts.

NO. 825F, Ford Puller, complete. Finished in satin nickel. Weight 10 lbs. 8 ozs.

NET PRICE, each.....\$13.40

The Special Ford Pulling Arms are interchangeable with the standard Stud Bolt Pulling Arms of No. 825 illustrated on page 80.



"VAN-CHROME" KNOCK-OUT WHEEL PULLERS

Nickel Plated and Polished

Chrome Alloy Steel

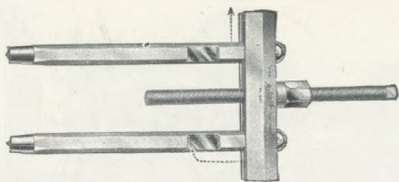
Dependable because they are accurately machined from tough Chrome Alloy Steel and heat treated for strength and shock resistance. They screw up snug to the end of axle shaft and will stand the hardest hammer blows without injury to threads or shafts. The heads will not mushroom or split. Finished in satin nickel with polished heads.

Part No.	Size Opening	Threads to Inch	Height	Net Each
*KO-20	$\frac{5}{8}$	18 SAE	$1\frac{5}{8}$	\$.90
KO-24	$\frac{3}{4}$	16 SAE	$1\frac{3}{4}$	.98
†KO-24T	$\frac{3}{4}$	20 USF	2	.98
KO-26	$1\frac{1}{16}$	16 SAE	$3\frac{1}{2}$	1.01
KO-28	$\frac{7}{8}$	14 SAE	$1\frac{3}{4}$	1.01
‡KO-28H	$\frac{7}{8}$	18 USF	$1\frac{3}{4}$	1.01
KO-32	1	14 SAE	$1\frac{3}{4}$	1.23
KO-36	$1\frac{1}{8}$	12 SAE	$1\frac{3}{4}$	1.54
KO-40	$1\frac{1}{4}$	7 USS	$1\frac{3}{4}$	1.94
§KO-40T	$1\frac{1}{4}$	12 SAE	$1\frac{3}{4}$	1.94

*Ford V-8. †Terraplane. ‡Hudson Essex. §Chevrolet Truck.

SET NO. KO-10, illustrated, contains one each of the ten Knock-outs listed in the above table to service practically all makes of light cars and trucks. Weight $7\frac{1}{2}$ lbs.

NET PRICE, in metal box.....\$12.42



"Van-Chrome" Universal Heavy Duty Puller

For Axles, Shafts, Gears, Bearings, Sprockets, etc.

Chrome Vanadium Steel

A new Heavy Duty Puller, designed to do a great many difficult pulling jobs and replace a large number of costly special tools. Permits a wide variety of adjustments by using Detachable Threaded Adaptors for pulling axle shafts, cam shafts, drive shafts, transmission shafts, gears, bearings, sprockets, ball races and other parts from every make of car and most trucks.

It has two adjustments for length, and the Chrome Vanadium pulling block is slotted so the jaws can be set at any desired width

NO. 851 Heavy Duty Puller. Length 12". Weight 6 lbs.

NET PRICE, each.....\$10.25



Pulling axle shaft

"Van-Chrome" Threaded Adaptors

For Pulling Axle Shafts, Cam and Pinion Shafts, etc.

Interchangeable for use with the No. 851 Heavy Duty Puller or the No. 866 Slide Hammer.

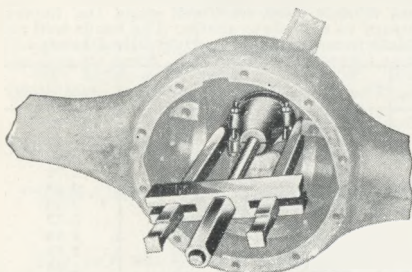
Cat. No.	Adaptor Open-ings	Threads to Inch	Net Each	Cat. No.	Adaptor Open-ings	Threads to Inch	Net Each
852	$\frac{5}{8}$	18 SAE	\$.52	*853T	$\frac{3}{4}$	20 Spec.	\$.62
853	$\frac{3}{4}$	16 SAE	.52	†854H	$\frac{7}{8}$	18 Spec.	.62
854	$\frac{7}{8}$	14 SAE	.62	§857S	1 $\frac{1}{4}$	7 USS	.75
855	1	14 SAE	.62	858	1 $\frac{1}{2}$	12 SAE	.92
856	1 $\frac{1}{4}$	12 SAE	.75				
857	1 $\frac{1}{2}$	12 SAE	.75				

*Terraplane. †Chevrolet 1932 ‡Hudson Essex. §International Truck. The six Threaded Adaptors, $\frac{5}{8}$ " to 1 $\frac{1}{4}$ " inclusive, cover the general field of use, and additional sizes are available for special jobs. Satin nickel plated.

SET NO. 850, containing No. 851 Puller and 6 Threaded Adaptors, Nos. 852, 853, 854, 855, 856 and 857. Weight 8 lbs.

NET PRICE, complete in fibre box.....\$13.95

"Van-Chrome" Pinion Shaft Adaptor No. 2944



For Use with the No. 851 Heavy Duty Puller

Illustration shows the No. 2944 in use with the No. 851, pulling Chevrolet pinion shaft.

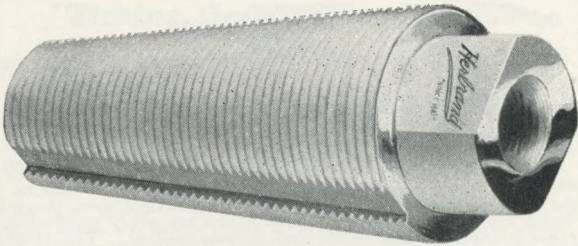
With this attachment hypoid pinion and bearings can be pulled from rear axle pinion shaft housing on all pleasure cars where the shaft comes out through the back of the housing.

It pulls the drive shaft assembly on Buick,

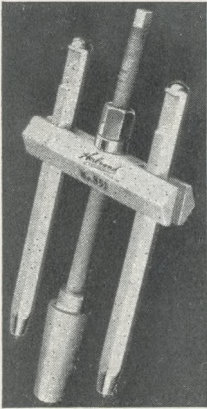
Chevrolet cars and trucks and Pontiac. On practically all trucks the pinion shaft can be pulled from the housing when it comes out the rear.

Here is the one tool that will do an efficient job where hypoid gears are encountered. A necessary piece of equipment for every shop.

NO. 2944 Adaptor. NET PRICE, each.....\$7.00



Bushing Extractors



Bushing Extractor in use
with No. 851 Puller

For Blind Bushings That Can't Be
Driven

Buttress Thread—Won't Strip—Pulls
on Square Shoulders

Interchangeable for use with All-
purpose Puller No. 866 and Heavy
Duty Puller No. 851

Here's The New Herbrand Tool that
cuts its own threads and gets those
blind bushings up against housings and
other impossible places where they
can't be driven out. For motors, pumps,
tractors, cars and all kinds of ma-
chinery. Saves dismantling and costly
delays. Screws in with a wrench and
when powered by the No. 866 Slide
Hammer or No. 851 Heavy Duty Puller
easily lifts any bushing.

The tapered shank has special but-
tress threads, which pull on square
shoulders that can't strip, and is fluted
for the passage of chips. The $\frac{5}{8}$ " S.A.E.
threaded hole in the end of the extrac-
tor engages the No. 866 Slide Hammer
or the No. 851 Puller for easy removal
of any bushing. Made in 4 sizes.

Number	Capacity	Weight, Doz.		Net Price Each
		Lbs.	Ozs.	
575	$\frac{1}{2}$ to $1\frac{1}{16}$	6	..	\$2.65
576	1 to $1\frac{1}{2}$	14	4	3.20
577	$1\frac{3}{8}$ to $1\frac{3}{16}$	21	..	4.00
578	1 to $2\frac{1}{4}$	28	..	4.65

"VAN-CHROME" BEARING RACE ATTACHMENT No. 860

To be used with No. 851 Heavy Duty Puller or No. 866 Slide Hammer

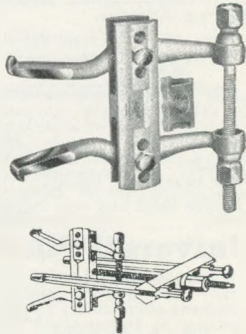
For Chevrolet, Nash, Hudson, Hupp,
all Chrysler-built Cars and Others

Chrome Vanadium Steel—Reversible Jaws
Used with the Heavy Duty Puller this
special tool performs with ease one of the
most difficult service jobs. With jaws
curved to conform to the contour of the
Timken race it will pull badly worn races
without scoring the inside of the axle
housing. Bearings in good condition may
also be removed without damage. The
jaws are adjustable, covering a range from
 $1\frac{3}{4}$ " to $4\frac{3}{4}$ " inside diameter. Reversible
jaws, so it can be applied to both inside
and outside pulling work. Heat treated
throughout. Satin nickel finish.

NO. 860, length $7\frac{1}{2}$ ". Weight 3 lbs.
NET PRICE, each.....\$11.50

NO. 860 $\frac{1}{2}$, extra long jaws for the
above to pull grease retainers and ball
races on large trucks.

NET PRICE, per pair.....\$5.75



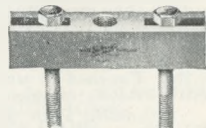
In position to pull
bearing race.

"VAN-CHROME" TIMING GEAR ATTACHMENT No. 861

For Use with the No. 866 All Purpose Puller
or the No. 851 Heavy Duty Puller

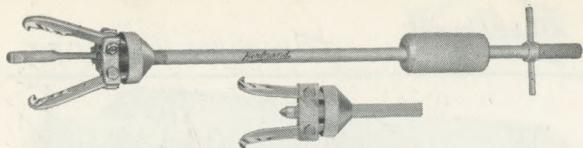
For Timing Gears, Fan Pulleys, Balancers,
Cam Gears, etc

Chrome Vanadium Steel



An important attachment for the Heavy Duty Puller essential for
pulling timing gears, cam gears, fan pulleys, balancers, Hudson-Essex
main bearings and many other jobs. Pulls Chevrolet fan pulleys with
harmonic balancers, Buick crankshaft gears and all others which are
tapped for cap screws.

NO. 861. NET PRICE, each.....\$3.30

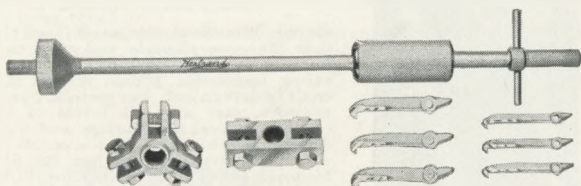


"Van-Chrome" All Purpose Slide Hammer Puller No. 866

The Pulling Tool of Many Uses—Reversible Jaws

The one tool that conquers the toughest pulling jobs and has an unlimited range of application. Two sets of drop forged jaws, three 3½" and three 4½", are standard equipment, and are easily reversible and interchangeable for both inside and outside pulling. The jaws are locked on the work in any desired position by turning down the knurled adjusting collar. A slotted cross arm adaptor for making a two-arm puller is also included as part of this tool. The cross handle at the extreme end of the slide bar is constructed for the safety of the operator and avoids injury to fingers.

NO. 866 Slide Hammer, complete with three 4½" jaws, three 3½" jaws and slotted cross arm adaptor. Capacity 0" to 4½". Weight 7¼ lbs. NET PRICE, complete.....\$13.90

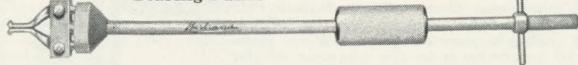


ALL PURPOSE PULLER PARTS LIST

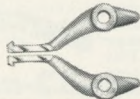
No.	Description of Part	Net Price
866A	Set of 3 Reversible Pulling Jaws, 5" long.....	\$3.35
866B	2-Way Pulling Block with bolts and nuts.....	1.30
866C	Reversible Adjusting Cone.....	1.50
866H	2¼-lb. Sliding Booster Hammer.....	1.75
866J	Set of 3 Reversible Pulling Jaws, 4" long.....	2.95
866S	24" Threaded Shaft and T Handle.....	2.00
866Y	3-Way Yoke for either short or long arms.....	1.85

Parts of the No. 866 All Purpose Puller may be purchased individually if desired. The No. 866H Sliding Hammer and the No. 866S 24" Threaded Shaft, for instance, may be purchased separately and used in place of the No. 851 Heavy Duty Puller with any of the puller attachments, such as the Nos. 860, 861, axle adaptors, etc. The method for using it with these may be seen below, connected to the No. 867A Pilot Bearing Adaptor.

No. 867 Pilot Bearing Puller



No. 867J Pilot Bearing Pulling Jaws



No. 867A Pilot Bearing Pulling Assembly



Universal Pilot Bearing Puller No. 867

Interchangeable for Use with All-purpose Puller No. 866 and Heavy Duty Puller No. 851

Chrome Vanadium Steel

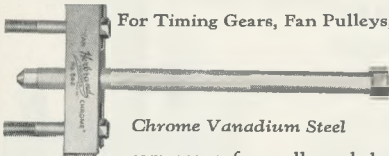
The pilot bearing is set in the flywheel in a blind hole, and there is no way to drive it out from the other side. This tool is built to enter the hole in the smallest pilot bearing and will expand to take the larger bearings found on International and other trucks. It is absolutely essential for pulling pilot bearings, because this is the only manner in which they can be reached, and it will also do any other inside or outside pulling job within its range. Inside pulling capacity ½" to 2", outside pulling capacity with legs reversed 1" to 4¼".

NO. 867, Pilot Bearing Puller complete as illustrated above. Weight 6 lbs. Finished in satin nickel. NET PRICE, complete.....\$9.00

NO. 867A, Pilot Bearing Puller Assembly, consisting of Special Pilot Bearing Puller Jaws, 2-Way Pulling Block and Adjusting Reversible Cone for use with No. 866 or 851 Pullers. NET PRICE, complete.....\$5.25

NO. 867J, Pilot Bearing Puller Jaws, 3¼" long, for use with No. 866 Slide Hammer. NET PRICE.....\$2.40

Timing Gear Puller No. 862



For Timing Gears, Fan Pulleys, Balancers, Cam Gears, etc.

Chrome Vanadium Steel

A complete moderately priced puller for handling a wide variety of difficult jobs. Essential for pulling timing gears,

cam gears, fan pulleys, balancers, Hudson-Essex main bearings and many other jobs. Pulls Chevrolet fan-pulleys with harmonic balancers, Buick crank-shaft gears and all others which are tapped for tap screws. Untapped gears may be tapped to the proper size and removed easily with this tool.

The slotted Chrome Vanadium block is equipped with two $\frac{3}{8}$ " U.S.S. heat treated cap screws, which may be removed and replaced with other sizes if necessary. Double plated in satin. No. 861 is the above puller, less forcing screws, for use as an attachment with the heavy duty No. 850 puller.

NO. 861S, forcing screw only. Length $11\frac{1}{2}$ ".

NET PRICE, each.....\$1.25

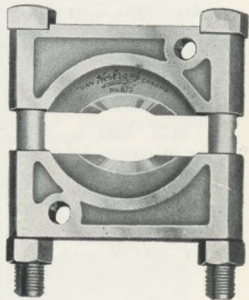
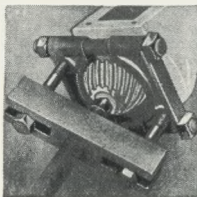
NO. 862 is the above puller complete with No. 861S forcing screw.

NET PRICE, each.....\$4.30

Gear Puller Attachment No. 872

For Generator Gears, Bearings, Races, etc.

Drop Forged from
Chrome
Vanadium Steel

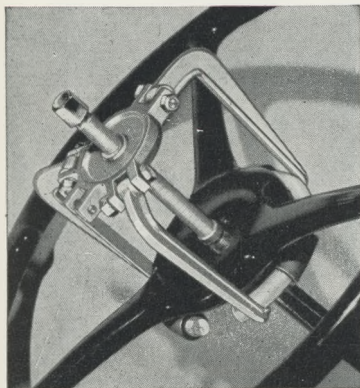


Essential for pulling generator gears, bearings, bearing cones, ball races and other small parts. Gears and bearings are often placed so close to the housing that puller jaws will not stay on. The knife edges of the No. 872 get behind the work, making it possible to pull the most confined part readily. The No. 872 attachment is drilled and tapped to take the cap screws, and works in conjunction with the No. 862, illustrated above.

Capacity up to $2\frac{1}{4}$ " diameter. Overall dimensions $3\frac{1}{2}$ " x $4\frac{1}{2}$ ". Weight 2 lbs. Satin nickel finish.

NET PRICE, each.....\$4.75

Steering Wheel Puller No. 835



Chrome Vanadium Steel
Adjustable Pulling Arms

The construction of most steering wheels makes it impossible to pull them with an ordinary puller. The Herbrand Universal Puller easily adjusts to fit any type steering wheel on all passenger cars and most trucks, whether they have three or four spokes.

Servicing steering worms, bearings and other parts of the steering assembly and replacement of cracked wheels is frequently necessary. The No. 835 easily and quickly removes them all without danger of damage to any of the assembly.

The steel ring against which the actual pulling is done has rubber cushions which protect the wheel from marring, etc., and a revolving cap on the end of the forcing screw eliminates any danger of damaging the shaft.

NO. 835P, length of arms $5\frac{1}{4}$ ". Weight 3 lbs.

NET PRICE, each.....\$8.45

No. 835-R LARGE DIAMETER PULLING RING ATTACHMENT FOR LATE MODEL CARS

This large Diameter Ring is necessary on late model cars that have Remote Control Gear Shift Levers on the Steering Column. Mechanics now using the No. 835 need only this ring to bring their puller up to date.

NET PRICE, each.....\$1.05

NO. 835A, adapter for cars with centre column horn contact.

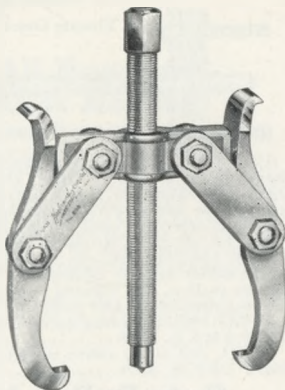
NET PRICE, each.....\$.34

"Van-Chrome" Improved Gear Pullers

Non-slipping Automatic Grips

Drop Forged from
Chrome Vanadium Steel

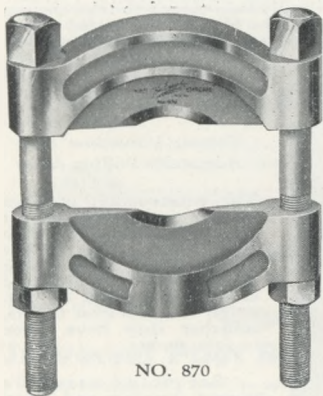
A Gear Puller with automatic, non-slip grip has long been sought by mechanics. The patented, positive gripping jaws absolutely prevent slipping, because the harder the pull the tighter the grip. Strong, thin jaws permit working in close quarters and no adjustments or extra equipment are required to hold them firmly in place. Light in weight, yet the strongest gear pullers made. The double-end jaws have wide, thin hooks on one end and narrow, thick hooks on the other, adapting them to a much wider range of work without the necessity of buying extra jaws. They will handle all small and large gears, pinions, ball races and the like. Every part is drop forged from select Chrome Vanadium Steel and carefully heat treated to a definite standard of strength to insure the utmost endurance under the terrific strains to which gear pullers are subjected. Available in two sizes required to cover all types of work. Finished in triple satin nickel plate with ends brightly polished.



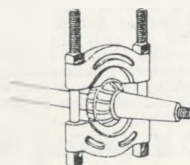
Pat. No. 1,709,913

NO 830, length of jaws under cross arm $3\frac{1}{2}$ ". Spread of jaws 6".
Size of screw $\frac{1}{2}$ " by 6" with hexagon head. Weight 1 lb. 10 ozs.
NET PRICE, each.....\$6.37

NO. 831, length of jaws under cross arm $5\frac{1}{2}$ ". Spread of jaws 8".
Size of screw $\frac{3}{4}$ " by 9" with hexagon head. The reversible arms have slotted hooks on one end. Weight 3 lbs. 12 ozs.
NET PRICE, each.....\$12.60



NO. 870



Separating Bearings

Bolt heads are set in milled recesses in the shoulders of the tool to avoid turning when pulling up hex nuts.

"Van-Chrome" Bearing Separators

For Separating and
Removing Bearings

Drop Forged from
Chrome Vanadium Steel

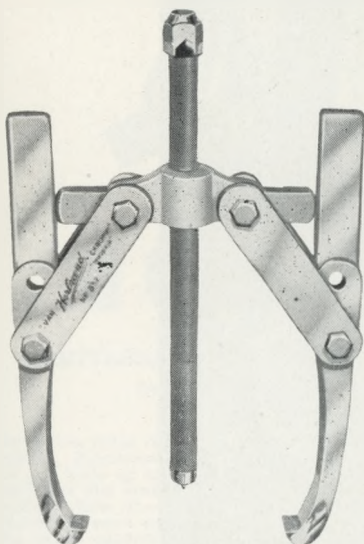
The removal of double bearings on axle shafts without damaging or completely destroying one of them is no longer an impossibility. Herbrand engineers, working with mechanics, perfected the tool which handles this most difficult job efficiently and pays for itself in the cost of bearings saved on the first few jobs. The knife-like edges are ground to a fine taper and are wedged between the bearings when the forcing screws are turned. This quickly splits the bearings without damage. The bearings are then removed from the shaft with an arbor press or Herbrand No. 831 Gear Puller.

NO. 870 Bearing Separator is particularly adapted to the separation and removal of bearings on the axle shafts of Chrysler, Dodge, Plymouth, DeSoto, Nash, Hupmobile, Erskine, Reo, Rockne and all other cars using Timken bearings up to $4\frac{1}{4}$ " outside diameter.

Capacity, bearings up to $4\frac{1}{4}$ " outside diameter. Overall dimensions 8" x 6". Satin nickel finish. Weight 5 lbs. 4 ozs.

NET PRICE, each.....\$11.50

Heavy Duty Gear Puller No. 832



For Trucks, Tractors and Heavy Equipment

Drop Forged from Chrome Vanadium Steel

The range, capacity and pulling power of this Heavy Duty Puller makes it a universal tool for all shops working on cars, trucks, tractors and heavy equipment. Especially suited for the following operations on tractors: pulling pulley bearings, tractor wheels, compressing clutch springs, pulling front main bearings, etc.

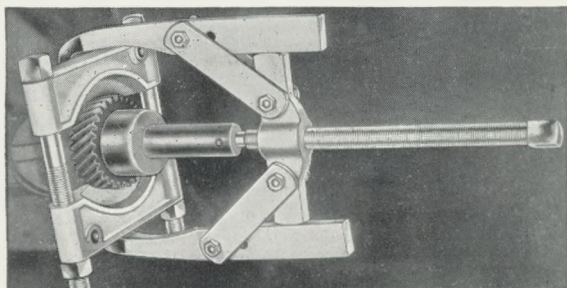
The 12" capacity of the reversible jaws, which have two points of adjustment for length, adapt it to a wide variety of pulling jobs, both large and small. Extra thin, curved 12" hook jaws are designed to reach parts where there is a minimum of clearance, and the sturdy 13" forcing screw applies the tremendous pulling power demanded in heavy duty work.

Drop forged from select Chrome Vanadium Steel and heat treated to withstand the stress and strain of the grueling work for which it is built. Finished in satin nickel plate with polished ends.

NO. 832. Capacity 12". Size of screw $\frac{1}{2}$ " x 13". Weight 8 lbs. 7 ozs. Individually boxed.

NET PRICE, each.....\$19.25

Prices on larger pullers than the No. 832 will be quoted upon request.

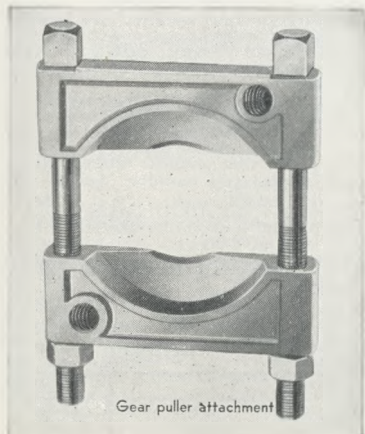


Gear Puller Attachment No. 873

For Pulling Pinion on Pulley Shafts, etc.

Pulling gears, pinions and bearings which are flush with a housing or butted up against some part so that it is impossible to get a hold with gear puller jaws is simplified by the use of the No. 870T pulling attachment. The No. 832 and the No. 870T pulling attachment make the ideal combination for pulling pinion shaft bearings. Specially suited for pulling differential drive pinions on tractors, bearings on pulley shafts, etc. Many applications for this attachment are possible with the No. 832 Puller.

A tremendous amount of pulling power is possible. Being drop forged from the finest Chrome Vanadium Steel obtainable, these tools will stand strains almost unbelievable.



Gear puller attachment

NO. 870T, outside capacity $4\frac{1}{4}$ ".

NET PRICE, each.....\$13.85



No. S-50

Eventite Tension Ratchet Wrench

18 Movements of the Handle—3-Point Bearing

The Herbrand Tension Wrench is vitally necessary to every mechanic and repair shop. Many motors which have been carefully reconditioned prove a failure because of block distortion, gasket failure, poor valve action, bearing trouble and loss of power due entirely to incorrect and uneven tightening of studs and nuts.

When you use the Herbrand Eventite you're sure you have factory pressure every time—no guesswork. It is the only positive action Tension Measuring Wrench made because of the construction of the pressure mechanism which works on the compound action principle and puts no strain on any parts. Many cheaper wrenches are inferior because once they have been strained, or the exposed indicating needles bent or otherwise thrown out of alignment, they no longer can register correctly. Herbrand developed the ratchet action principle after exhaustive tests of all types because it proved itself permanent and definitely accurate. The pressure mechanism is entirely enclosed.

The dial and carefully guarded moving indicator are colored and so visible from any angle that the correct pressure-stop is always positive—no tricky "lights" and "clicks" to distract the mechanic's attention, causing him to pull beyond the required tension.

There are no delicate or exposed parts to get out of order, and the housing is of the best Aluminum Alloy for light weight. The compact head reaches into confined places, and the 18 movements of the ratchet, with 3-point bearing, found in no other wrench, provide a short swing in limited spaces. Very little exertion is required due to the compound action and 18" handle.

It is equally necessary for the even and correct tightening of nuts and bolts on motor heads, manifolds, brake drums, clutch assemblies, differential housings, bearings, drive shaft pinions, connecting rods, axle nuts, body bolts, spark plugs, or any series of nuts.

Accurately calibrated from 30 to 130 foot pounds. Nickel-plated, with housing brightly polished. Knurled grip handles. Length 18".

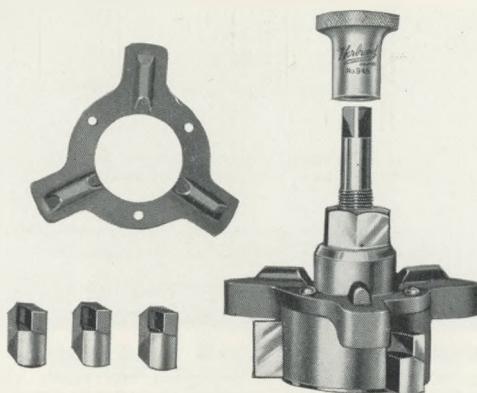
Weight 3 lbs. 12 ozs.NET PRICE, each.....\$12.80

A chart listing the tensions recommended by car manufacturers accompanies each wrench.

TENSION WRENCH ADAPTERS FOR CYLINDER HEAD NUTS

Necessary for tightening and testing cylinder head nuts on overhead valve motors. Twelve-point box openings on one end, $\frac{1}{2}$ " square drive on the other. Used with No. S-50 Eventite or other tension and torque wrenches. Drop forged. Chrome finish. Height $5\frac{1}{2}$ ".

No.	Description	Net Each
S-60	short sweep for Chevrolet.....	\$1.50
S-61	wide sweep for Chevrolet.....	1.65
S-62	short sweep for Buick.....	1.60
S-63	$\frac{5}{8}$ " wide sweep for Buick.....	1.70



UNIVERSAL CYLINDER WALL RIDGE REAMER

Expanding Cutters—Range $2\frac{1}{16}$ " to $4\frac{7}{8}$ "

Latest Improved Design

At last—a ridge reamer with a capacity for all passenger cars and many trucks. Removes the ridge or worn part at the top of cylinder walls on any bore up to $4\frac{7}{8}$ ". The three expanding high-speed cutters have guides at the bottom which prevent removing too much metal. The guides follow the contour of the cylinder wall and automatically stop cutting as soon as the ridge is entirely removed. The triple action of the three cutters rotating simultaneously removes the ridge in one-third the time required by the conventional type.

No. 846 Ridge Reamer is available with two sizes of interchangeable head rest plates and two sizes of adjustable cutters. No. 846-LP large rest plate and No. 846-LC long cutters for cylinders from $3\frac{3}{4}$ " to $4\frac{7}{8}$ "; No. 846-SP small rest plate and No. 846-SC short cutters for cylinders from $2\frac{1}{16}$ " to $3\frac{7}{8}$ ".

On cars with recessed heads or where studs are set close to the bore the reamer is set on top of the piston and used without the rest plate.

SET NO. 846, complete as illustrated, with two sets of cutters and two sizes of rest plates; capacity $2\frac{1}{16}$ " to $4\frac{7}{8}$ ".

NET PRICE, complete.....\$10.70

NO. 846-S Ridge Reamer with small rest plate and short cutters; range $2\frac{1}{16}$ " to $3\frac{7}{8}$ ".

NET PRICE, each.....\$7.65

NO. 846-L Ridge Reamer with long cutters and large rest plate; range $3\frac{3}{4}$ " to $4\frac{7}{8}$ ".

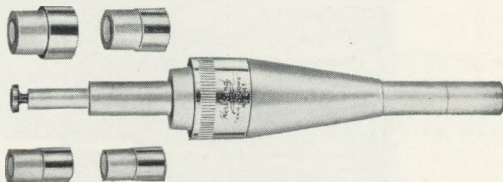
NET PRICE, each.....\$8.25

Extra sets of large or small cutters for the above.

NET PRICE, each.....\$2.55

NO. 839 is a complete extra small reamer for Ford V-60 and foreign cars with small diameter bores; capacity $2\frac{3}{16}$ " to $2\frac{1}{16}$ ".

NET PRICE, complete.....\$7.50



"VAN-CHROME" CLUTCH ALIGNING TOOL NO. 847

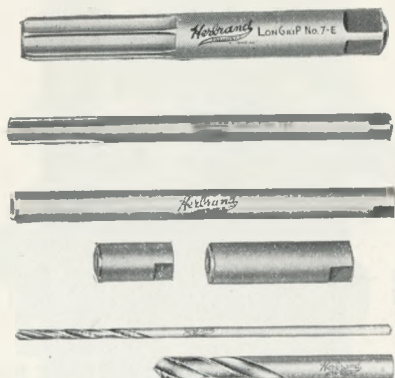
Chrome Molybdenum Steel

When replacing clutch and transmission on the majority of cars this tool will be found almost indispensable. Disc clutches must be centralized with the flywheel so that the clutch shaft will enter the pilot bearing. This double-end tool gives double service, because it works on both large and small pilot bearings and no extra parts are necessary. Constructed from tough Chrome Molybdenum Steel, expertly hardened and tempered for long service. Smoothly ground, accurately sized and finished all over in satin nickel. The knurling on the tapered cone makes it slip-proof.

After placing clutch in position on the flywheel push the spindle of the tool through the clutch with the tapered end entering the pilot bearing. Hold in horizontal position and slide the tapered cone forward until it enters the clutch. Withdraw the tool and the clutch shaft and transmission will slide readily into place. Four sizes of detachable collars are supplied as part of the tool, which fit all pilot bearings.

Length 12". Weight 2 lbs. 8 ozs. Satin nickel.

NET PRICE, each.....\$4.95



"Van-Chrome" Longrip Screw and Stud Extractors

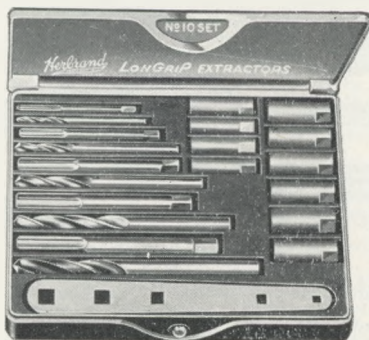
Straight Flutes—No Taper

*A New, Positive Method of Screw Extraction—
Saves Dismantling, Shutdowns and Costly Delay*

Revolutionizing old methods of screw and stud extraction, these new LongGrips make obsolete the old tapered type. They are the only Straight Fluted Extractors made and the only type that positively engage broken threaded ends their entire length. When inserted they key themselves into the shell, work like an internal socket wrench and cannot turn into or out of the broken ends. There is no damaging of costly parts or threads, no wedging, no reaming or shell spreading and no failures. The LongGrip straight fluted principle eliminates all guess-work and hazards, because guides are used for accurate centering at depths. Drill clear through a broken off screw, bolt or stud end, drive in a LongGrip Straight Fluted Extractor and turn it out easily and safely.

These Straight Fluted Extractors provide the only safe and efficient means of removing broken threaded ends of studs and screws that are deep below the surface, and positively eliminate dismantling motors, machinery or parts to expose stud ends.

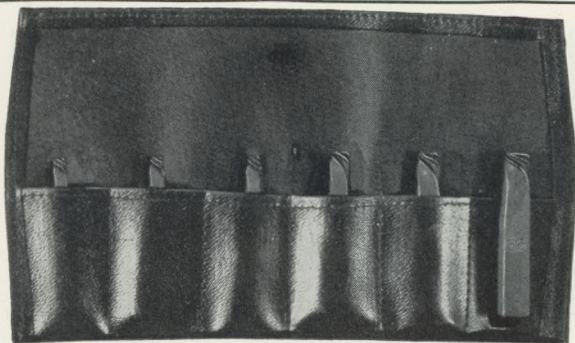
The use of LongGrips nullifies all the costly delays and shutdowns, damage to expensive parts, and the time-consuming aggravation of unsuccessful performance. Every mechanic, maintenance shop and factory can be equipped with "Van-Chrome" LongGrip Straight Fluted, Full Range Extractor Sets, because the cost is small and a single use will pay for them in time and labor saved.



SET NO. XX-10

SET NO. XX-10 is a popular assortment of standard length Extractors. Drills and Guides for $\frac{1}{4}$ " to $\frac{1}{2}$ " screws or studs, suitable for depth extraction up to 1". Contents: one each of 5 Extractors, Nos. 1E to 5E inclusive; one each of 5 Special Drills, Nos. 1D to 5D inclusive; one each of 10 Drill Guides; and an Extractor Wrench. Total of 21 pieces, fitted in a die cast metal box. Weight $2\frac{1}{4}$ lbs.

NET PRICE, complete... \$9.75



Herbrand Screw Extractors

Extremely tough and practically unbreakable, providing safe and efficient means of removing broken threaded ends of studs and screws.

Every mechanic should have a set of Screw Extractors, because they will soon pay for themselves in saved time and labor. Made of Chrome Vanadium Steel, heat treated and guaranteed.

Size No.	For Bolt Diameter	Use Drill Size	Drill Depth	Net Price
870-X	1/2" and up	7/16"	5/16"	\$.75
871-X	1/2" to 5/8"	3/8"	5/16"	.75
872-X	1/16" to 1/2"	5/16"	1/4"	.75
873-X	3/8" to 1/16"	1/4"	1/4"	.75
874-X	5/16" to 3/8"	3/16"	3/16"	.75
875-X	1/4" to 5/16"	5/32"	3/16"	.75

SET NO. 876-X contains 1 each of the following: 872-X, 873-X, 874-X, 875-X.

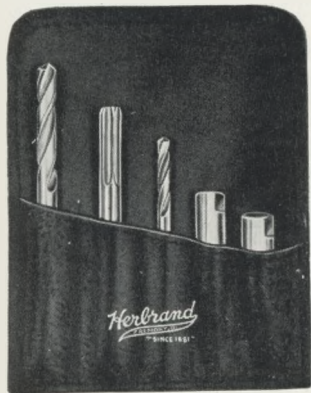
NET PRICE, complete in leatherette roll.....\$2.90

SET NO. 877-X contains 1 each of all the above 6 sizes.

NET PRICE, complete in leatherette roll.....\$4.40

STANDARD LENGTH SETS, NOS. X-1 TO X-7, FOR DEPTHS UP TO 2". SETS X-1 TO X-5 FOR EXTRACTIONS UP TO 1" DEPTH.

SETS X-6 AND X-7 UP TO 2" DEPTH.



SETS NOS. X-1 TO X-7

Each set contains 1 Extractor, 1 Centering Drill, Enlarging Drill and 2 Drill Guides (except Set No. X-5, which has 4 Drill Guides) in pocket leatherette cases.

SET NO. X-1, for 1/4" screw.

NET PRICE.....\$1.60

SET NO. X-4, for 1/16" screw.

NET PRICE.....\$2.55

SET NO. X-5, for 1/2" and 3/4" screw.

NET PRICE.....\$3.55

SET NO. X-6, for 3/8" screw

NET PRICE.....\$3.80

SET NO. X-7, for 3/4" screw.

NET PRICE.....\$4.80



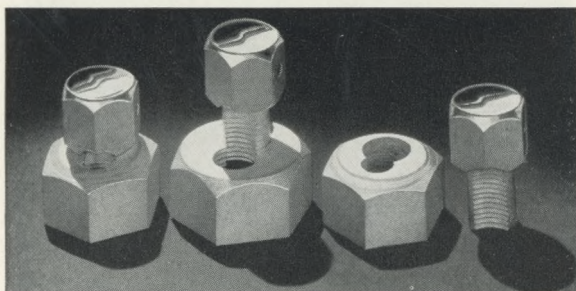
EXTRACTOR ASSORTMENTS

SET NO. XX-3, one each of Extractors Nos. 3E, 4E and 5E, to fit 3/8", 1/2", 5/8"-1 1/2" screws.

NET PRICE, in pocket leatherette case, each.....\$2.55

SET NO XX-5, one each of Extractors Nos. 1E, 2E, 3E, 4E and 5E, to fit 1/4", 5/16", 3/8", 1/2", 5/8"-9/16" screws.

NET PRICE, in leatherette case, each....\$3.80



Sure-Grip Stud Removers

Essential for Rusted, Corroded Studs in Aluminum Heads

Turns in a $\frac{1}{8}$ " Radius—Threaded to Fit Studs

To remove studs from engine block: unscrew nut and turn Sure-Grip Stud Remover on in its place and turn out stud. A cam-action principle, which grips the threads of the studs instead of the body and exerts a tremendous pressure, has been developed in Sure-Grip Stud Removers. No matter how badly rusted or corroded they remove the studs with the engine head in place and without damage to threads or danger of cracking frozen cylinder heads. Primarily designed for cars with aluminum heads, they work equally well on any type within their range. Any mechanic who has struggled with corroded cylinder heads and studs will appreciate these stud removers.

NO. 815, $\frac{3}{8}$ " x 24 thread; NO. 816, $\frac{1}{8}$ " x 20 thread; NO. 817, $\frac{1}{4}$ " x 20 thread. NET PRICE, each.....\$1.24
SET NO. 814, one each of 3 above. NET PRICE, complete... 4.33

"Van-Chrome" Stud Setter and Extractor No. 820

Ratchet Action—Revolving Head—
Capacity $\frac{1}{4}$ " to $\frac{3}{4}$ "

Chrome Alloy Steel—Nickel Plated



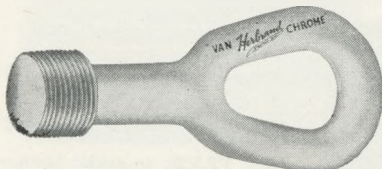
New—modern—improved and scientifically engineered to take a positive, biting grip on studs and remove them with little effort, without the hazard of slipping. This compact tool handles all studs from $\frac{1}{4}$ " to $\frac{3}{4}$ ", covering a range of service including all passenger cars and practically all trucks. Improved engineering and the use of super-quality steel eliminate bulk and clumsiness, permitting it to engage and remove studs which are inaccessible to other tools. Close to the dash rear studs are easy. It operates on

the gear principle for gripping. The self-adjusting, eccentric roller forms a wedging action against the stud, develops tremendous power, cannot slip, will not lock on the job and releases quickly when pressure is removed. Built to avoid the danger of snapping off or mutilating studs.

The driving stud on top of the tool carries a $\frac{1}{2}$ " square drive service connection for use with any ratchet handle, flex handle or standard socket handle.

NO. 820, height $2\frac{5}{16}$ ", diameter 2". Satin nickel finish.

NET PRICE, each.....\$2.80



Safety Engine Eye Bolts

Drop Forged from Chrome Vanadium Steel

The safest means of lifting motors because the Eye Bolts are drop forged from Chrome Vanadium Steel and heat treated for absolute insurance against breakage. The Eye Bolts are simply screwed into the spark plug holes and attached to the chain hoist. Finished in satin nickel.

There is a size to fit all popularly used spark plug threads. No. 810, $\frac{7}{8}$ "-18 thread; No. 811, 14 mm; No. 812, 18 mm; No. 813, $\frac{1}{2}$ " pipe thread. NET PRICE, each.....\$1.00



SET NO.
570½

"VAN-CHROME" UNIVERSAL BUSHING SERVICE TOOLS

A Size for Every Need—Triple Nickel Finish

Chrome Vanadium Steel

The new thin bushings used so extensively on modern cars are difficult to remove without the proper tools. Eleven interchangeable Step Collars and two Driving Handles cover the complete range of sizes for the large variety of bushings encountered on present-day cars, trucks, busses, tractors and electric motors.

The five smaller Collars and ¾" service Driving Handle cover a range from ½" to ¾" inside diameter. The six large Collars to fit the ½" service Driving Handle vary from 1½" to 1 1/8" inside diameter. Included in these sets is a size for nearly every bushing found on generators, starters, distributors, transmissions, pistons, connecting rods, tie rods, spindles, king pins, springs, steering gears, water pumps, etc.

All parts are made from Chrome Vanadium Steel. Collars are accurately machined to insure a perfect fit and are held securely in place on the Driving Handle by a spring compression ball. The Handles are deeply knurled. We recommend complete sets, but the Handles and Step Collars can be purchased individually if desired.

¾" SERVICE STEP COLLARS

Catalog No.	Inside Diameter Bushing	Outside Diameter Bushing	Dealer Net Price Each
552	½"	5/8"	\$.31
553	9/16"	1 1/16"	.31
554	5/8"	¾"	.31
555	1 1/16"	1 1/16"	.35
556	¾"	7/8"	.35
*557	1 1/8"	1 1/8"	.35

*Fits Chevrolet King Pins.

NO. 551, Driving Handle, ¾" service, for above Collars. Length 7".
NET PRICE, each.....\$.95

SET NO. 550 contains one each of the five Step Collars, Nos. 552-556 inclusive, and No. 551 Driving Handle.
NET PRICE, in fibre box.....\$2.30

½" SERVICE STEP COLLARS

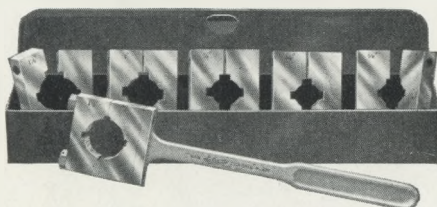
562	1 1/16"	1 5/16"	\$.47
563	1 1/8"	1	.47
564	1 5/16"	1 1/16"	.47
565	1	1 1/8"	.55
566	1 1/16"	1 3/16"	.55
567	1 1/8"	1 1/4"	.55

NO. 561, Driving Handle, ½" service, for above Collars. Length 7".
NET PRICE, each.....\$1.55

SET NO. 560 contains one each of the six Step Collars, Nos. 562-567 inclusive, and No. 561 Driving Handle.
NET PRICE, in fibre box.....\$4.15

SET NO. 570, a complete assortment of 11 Step Collars and 2 Driving Handles listed above.
NET PRICE, complete, in fibre box.....\$6.55

SET NO. 570½, a complete assortment of 11 Step Collars and 2 Driving Handles listed above.
NET PRICE, complete, in metal box.....\$7.00



Pat.
Applied
For

SET No. 880½

"VAN-CHROME" RETHREADING TOOLS AND SETS

Interchangeable Unit Dies

Chrome Vanadium Steel—Attractively Nickel Plated

Another Herbrand contribution to the economy and efficiency of mechanics. A separate drop forged Handle in which any size Rethreading Die may be quickly inserted. The most practical idea yet evolved for a Rethreading Tool. With the old type of rethreader, in which several dies are cut immovably in one tool, the mechanic often pays for die sizes for which he has no use—also the most frequently used sizes cannot be replaced when worn or damaged without buying an entire new costly outfit. With the Herbrand Rethreading Tool it is only necessary to purchase the Handle and separate die sizes best suited to the individual need. Additional interchangeable dies may be purchased separately as conditions demand.

The "Van-Chrome" Rethreading Tool is the most modern for straightening and restoring battered or deformed threads which have become damaged through pounding or cross threading on axle shafts, cam shafts, transmission shafts, drive shafts, bolts, studs and the like.

The specially designed Handle is drop forged from Chrome Vanadium Steel, provides the greatest possible speed and is light in weight for ease of handling. The simple removal of two bolts permits the insertion of the proper size die. All dies are interchangeable on handle.

It performs a perfect job with a minimum of time and effort. The die should be placed on the shaft back of the damaged threads and backed off, making two or three passes, tightening the die slightly each time. The final pass should be made with the bolts securely tightened, which will size the threads perfectly.

Catalog No.	Size of Die	Threads to Inch	Net Price Each
882	5/8	18 SAE	\$1.25
883	3/4	16 SAE	1.25
884	7/8	14 SAE	1.25
885	1	14 SAE	1.45
886	1 1/8	12 SAE	1.45
*887	1 1/4	12 SAE	1.45
**888	1 1/2	20 Spec.	1.25
†889	1 3/4	16 Spec.	1.25
‡890	1 7/8	18 Spec.	1.25
§891	2	7 USS	1.45

*Terraplane. †Chevrolet, late 1932. ‡Hudson-Essex. §Internat'l Truck.

**Fits Chevrolet armature shaft.

NO. 881 Handle only. Length 10½". Weight 9 ozs.

NET PRICE, complete with bolts, each.....\$.85

SET NO. 880½ includes Handle No. 881 and 6 Interchangeable Dies, Nos. 882, 883, 884, 885, 886, 887, listed above. Weight 3 lbs. 12 ozs.

NET PRICE, complete, in metal box.....\$8.85



"VAN-CHROME" NO. 897 THREAD RESTORING TOOL

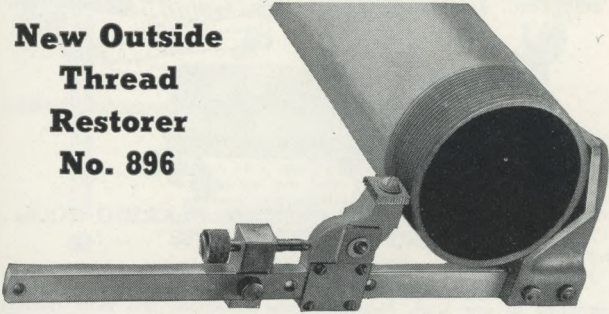
Eight Different Pitches for Inside and Outside Threads

Battered, deformed and mutilated threads are easily restored with this modern thread chaser. The heads are interchangeable so that any outside or inside thread may be accurately restored. This distinctive Herbrand tool is particularly useful on big diameters like wheel hubs, differential carriers, axle housings, etc.

When the die head is parallel to the handle it is an inside chaser. Thread sizes 8, 10, 12, 14, 16, 18, 20 and 24 are carried in the two cutters.

NET PRICE, NO. 897, each.....\$4.50

**New Outside
 Thread
 Restorer
 No. 896**



This tool is designed and built to restore damaged, battered and crossed threads on any outside diameter from 1" to 5". It covers nine pitches—8, 10, 11½, 12, 14, 16, 18, 20 and 24 threads per inch—and does this difficult job better and faster than any other tool. Major adjustments are made by moving the cutter post on the handle. Fine adjustments are made with the adjusting screw. Where threads are badly battered, a light cut should be taken the first time over, and the pressure on the cutter increased on each successive turn until threads are fully restored.

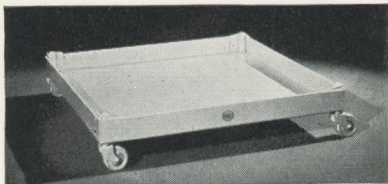
This Chaser should be applied on the good threads and then backed off. The tool properly used should be turned only one way. For example, by placing the hand on the handle of the chaser in the illustration and pushing down, the tool would then be turning in the right direction. Where threads become damaged on axle housings, bearing cages and carriers, large shafts, pipes, etc., and it is impossible to chuck these parts in a lathe—if new parts are not readily available or old parts too costly to discard—this tool will be found invaluable. It will save time, valuable parts and money.

The V-shaped pad is a brass casting and will not damage the threads opposite the chaser die. It will become rough and worn, but can be redressed if care is used. This part is not guaranteed. Chaser dies will wear out from continual use, and these parts also are not guaranteed. Replacement parts can be purchased at a nominal price.

NO. 896, Outside Thread Restorer, complete with 3 cutter dies.

NET PRICE, each.....\$10.50

Roller Tray No. MT-1



Avoids losing parts, bolts, nuts—keeps necessary tools always handy—especially useful for under-the-car service.

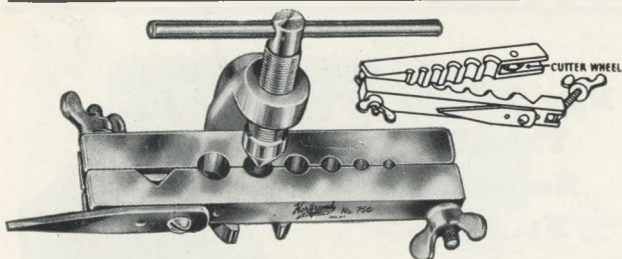
Here is a mechanic's helper who never argues and is always on the job.

Work under cars is always time-consuming and awkward for the mechanic, who frequently finds it necessary to crawl back and forth to handle parts and secure needed tools; and often the time of two men is required to do a one-man job. Roller Tray MT-1 is a real mechanic's helper—always ready to hold bolts, nuts or parts that would otherwise be spread around the floor.

The touch of a finger rolls it easily on smooth-running casters to the handiest position for immediate service. It is unusually efficient when taking down the oil pan, working on differentials, etc. The MT-1 may also be used as a dolly to move heavy parts about the shop.

Satin finish. Size 18" x 18" x 1¾". Overall height, including casters, 3¾". Weight 10 lbs.

NET PRICE, each.....\$4.80



COMBINATION TUBE CUTTER, FLARING TOOL AND REAMER NO. 750

Range from $\frac{1}{8}$ " to $\frac{1}{2}$ "

Three Tools in One

Combined in one tool, Herbrand has developed the most modern, convenient method for repair or replacement work on all popular sizes of copper, brass, aluminum or similar tubing used on gas, oil and other feed lines. This practical tool does the perfect job required for tight-fitting connections and leak-proof joints and works on tubing without removing it from the car.

The cutter wheel is made from exceptionally strong steel with a keen, thin cutting edge. It easily cuts all sizes of tubing from $\frac{1}{8}$ " to $\frac{1}{2}$ " without flattening or distorting the tubing, and eliminates the possibility of filings or grit dropping into the feed lines.

Six flaring dies are included in this tool to give all popular sizes of tubing the accurate flare and taper that insures a perfect, tight joint. It conserves labor and time and does a speedy job without the aid of loose dies or vise.

The V-shaped section, which is adjustable, acts as a tube reamer.

NO. 750, capacity $\frac{1}{8}$ " to $\frac{1}{2}$ ". Length 5 $\frac{1}{2}$ ".

NET PRICE, complete.....\$5.00



HERBRAND TUBE BENDERS

Made in Five Sizes

Copper tubing cannot be bent without kinking unless the Tube Bender is used. These simple yet practical benders do a perfect job and eliminate all possibility of distorting. They bend the tubing by hand to any desired shape without collapsing the tubing.

Available in five sizes for perfect bending of tubing from $\frac{1}{4}$ " to $\frac{1}{2}$ "

Cat. No.	Size	Length	Net Each
752	$\frac{1}{4}$ "	7 $\frac{1}{2}$ "	\$.31
753	$\frac{5}{16}$ "	7 $\frac{1}{2}$ "	.31
754	$\frac{3}{8}$ "	7 $\frac{1}{2}$ "	.35
755	$\frac{7}{16}$ "	7 $\frac{1}{2}$ "	.35
756	$\frac{1}{2}$ "	7 $\frac{1}{2}$ "	.38

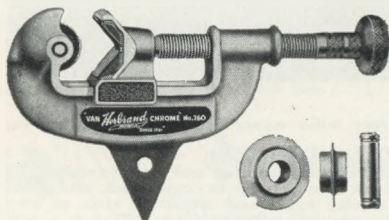
SET NO. 757, containing one each of 5 Benders.

NET PRICE, complete.....\$1.70

TUBE CUTTER NO. 760

Capacity $\frac{1}{8}$ " to 1"

Self-centering Feature



A few simple turns of this perfectly balanced, light, strong tool and you have a smooth, clean cut with practically no burr.

The razor-edge wheel cuts brass, bronze, copper or similar tubing through the entire thickness without internal or external burr.

The V-shaped, twin-piece jaw and cutting wheel are always accurately held on the center of the tubing, so that when the knurled adjusting screw is turned up the tool automatically moves in a straight line, insuring only precision, right-angle cuts. This eliminates all possibility of distortion of tubing, ragged edges or off-center cuts.

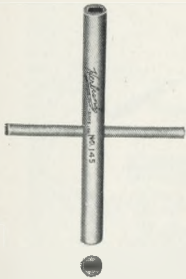
The cutter wheel is made from a special analysis tool steel and has the ability to hold its keen cutting edge indefinitely. The replaceable cutter wheel is held in place with pin and clip springs.

NO. 760, length 5 $\frac{1}{2}$ ".

NET PRICE, each.....\$2.45

Extra Cutter Wheels for No. 750 or No. 760.

NET PRICE, each.....\$.31



Trico Windshield Wiper Wrench No. 145

For All Makes of Cars

Forged from Chrome Alloy Steel

Those delicate adjustments required for servicing windshield wipers are accurately and easily made with this special tool. The elongated socket type openings are hot forged to precision limits for perfect engagement and are sized to service Trico windshield wipers used on all makes of cars. Double plated in satin nickel.

Double oval openings. Length $3\frac{3}{4}$ ". Wt. 2 ozs.

NET PRICE, each.....\$.68

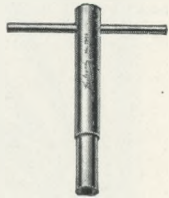
Carburetor Jet Wrench No. 1956

For Stromberg Carburation—All Cars Except Ford
Hot Forged and Heat Treated

For all cars using Stromberg carburation (except Fords) this tool is absolutely necessary for accurate adjustment. The socket type, oblong opening is hot forged to perfectly fit the carburetor jet adjusting nut. It is thin walled for adequate clearance and has the correct length for the proper reach.

Satin nickel. Length 3". Handle width $2\frac{1}{2}$ ".

NET PRICE, each.....\$.60



Pump Packing Hook No. 346

40° and 90° Angle Hooks

Drop Forged from Chrome Vanadium Steel

Carefully heat treated to prevent hooks from breaking—unequaled for removing old packing from all water pumps and inserting new—conveniently angled for breaking battery seals, and has a wide variety of other uses. Finished in satin nickel with points brightly polished.

Length 8". Weight 2 ozs.

NET PRICE, each.....\$.90

Chrome-plated Brass Flange Nut which is used on the control switches of Chrysler-built cars and which require this wrench for service.→



No. 2144 Dashboard Flange Nut Tool

For All Chrysler Built Cars

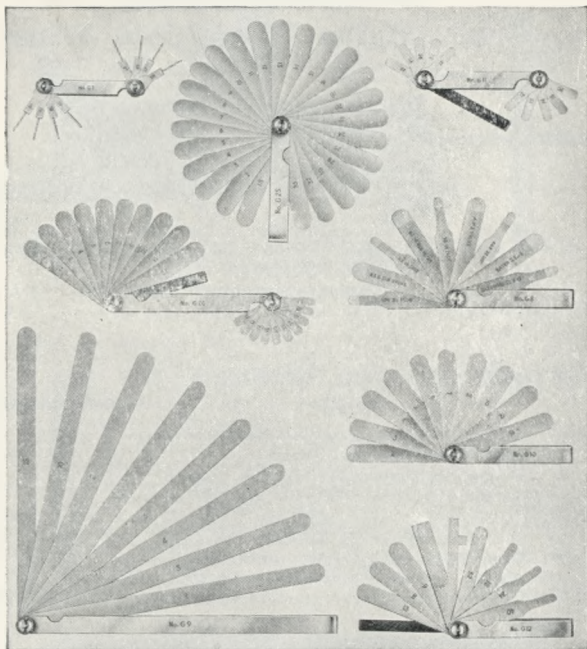
Chrome Nickel Steel

The light switches, windshield wiper and throttle controls on 1936 to 1939 models of Chrysler, DeSoto, Dodge and Plymouth cars are held in place on the dash by chrome-plated brass flange nuts. These nuts are round, and the use of a plier damages the plating, mars the dash, and injures the switches and connections. This tool is absolutely necessary to remove and replace them without injury to parts.

Constructed with two extended lugs that exactly fit the slots in the flange nut. The stem is hollow and sufficiently deep to fit over the control rods and permit entering far enough for positive engagement. No other tool will do this job without damage to dashboard, switches or flanges. Because of the necessary thinness and lightness of this tool, it cannot be guaranteed.

Satin nickel finish. Length $2\frac{1}{2}$ ". Weight 1 oz.

NET PRICE, each.....\$.68



"VAN-CHROME" THICKNESS GAUGES

Tested for Accuracy and Temper

The complete assortment of Feeler Gauges shown on this page includes every size and type required for accurate spacing of spark plug terminals, distributor and ignition points, tappet clearance or any of the other close tolerances that are vital to the proper functioning of cars and engines.

For dependable accuracy feeler gauges must be made from the finest grade materials, properly hardened and tempered. "Van-Chrome" Thickness Gauges are made with the greatest precision from the finest grade of imported Swedish Steel, scientifically hardened and tempered to withstand wear. Each blade is individually tested to insure the exact thickness to a minute degree.

All Herbrand Thickness Gauges are equipped with knurled lock-nuts, which release the blades instantly for rapid selection of size desired, and when tightened lock the individual blade into the working position, retaining the blades not in use firmly in the handle.

The sizes are permanently etched on each blade.

TYPES AND SIZES OF "VAN-CHROME" FEELER GAUGES

NO. G-7 Spark Plug Wire Gauge, the latest development for accurate spark plug gap spacing. Eight wire gauges, $1\frac{1}{4}$ " long: .022, .025, .027, .028, .030, .032, .035, .040.

NET PRICE, each.....\$1.40

NO. G-8 Special Ford Gauge for all models. Nine sizes, with Go-No-Go feature, $3\frac{1}{4}$ " long: .013 valve, .014 valve, .014 dist., .016 dist., .017 valve, .022 dist., .022 valve, .025 plug, .035 plug.

NET PRICE, each.....\$1.40

NO. G-9 Extra Long Feeler Gauge for pistons, etc. Eight sizes, 9" long: .002, .003, .004, .005, .006, .008, .010, .015.

NET PRICE, each.....\$2.10

NO. G-10 Standard Feeler Gauge, containing ten sizes $3\frac{3}{4}$ " long: .002, .003, .004, .005, .006, .007, .008, .010, .012, .015.

NET PRICE, each.....\$1.05

NO. G-11 Ignition Gauge, short, narrow blades for ignition, distributor points and spark plugs. Ten sizes $1\frac{1}{2}$ " long and 3" point file: .012, .013, .014, .018, .020, .022, .025, .028, .032, .035.

NET PRICE, each.....\$1.40

NO. G-12 Special Chevrolet Gauge for valves and ignition. Seven blades $3\frac{1}{4}$ " long and point file, 3" rule and float level gauge: .006, .008, .013, .018, .024, .032, .040.

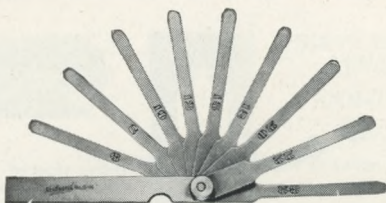
NET PRICE, each.....\$1.40

NO. G-20 General Purpose Gauge for tappet and ignition work—most universal gauge on the market. Ten blades $1\frac{1}{2}$ " long, 10 blades $3\frac{3}{4}$ " long and 3" point file—short blades: .012, .013, .014, .018, .020, .022, .024, .025, .028, .032; long blades: .002, .003, .004, .005, .006, .007, .008, .010, .013, .015.

NET PRICE, each.....\$2.10

NO. G-25 Universal Master Gauge with a full range of spacers. Twenty-five blades $3\frac{3}{4}$ " long: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032, .035.

NET PRICE, each.....\$2.80



"Van-Chrome" Brake Adjustment Feeler Gauge No. G-14

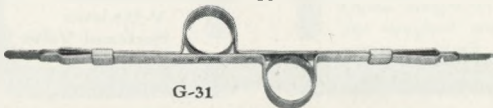
Tested for Accuracy and Temper—Imported Swedish Steel

The only brake adjusting gauge on the market that will work on all cars for clearance between the brake shoe and the drum when setting brakes. No. G-14 includes the nine necessary feeler gauge sizes for all types of brakes, namely: .006, .008, .010, .012, .015, .018, .020, .022 and .032. The blades are 4" long, which is the proper length for maximum efficiency and ease of handling. Hydraulic brakes must be thoroughly equalized to insure efficient operation and safety, and every mechanic should have this special gauge.

NO. G-14. NET PRICE, each.....\$1.32



G-30



G-31

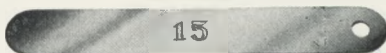
Feeler Gauge Stock Holders

Double and Single End—Positive Adjustment Lock

Any thickness of feeler gauge stock coils easily within the handles and pulls out readily for use. Either 12" standard blades, or any desired length of strip stack may be used. Blades are held securely by the positive sliding lock. Made from hand-drawn cold rolled steel and nickel plated.

NO. G-30, single end holder. Length 4½". NET PRICE, each..\$.40

NO. G-31, double end holder. Length 10". NET PRICE, each.. .60



12-inch Feeler Gauge Blades

Hardened and Polished Swedish Steel

Available in the twelve popular sizes from .0015 to .035 in standard 12" lengths, ¼" wide. The Stock Holders listed above make them usable down to the last scrap by snipping off worn ends.

The number indicates the thickness of the stock: GB-0015; GB-002; GB-004; GB-006; GB-008; GB-013; GB-015; GB-018; GB-024; GB-025; GB-032; GB-035.

NET PRICE, each.....\$.35

EXTRA BLADES FOR REPLACEMENT

Available in the popular range of thicknesses, size ½" x 3½" with hole for insertion in Herbrand Holders. Fit most any holder—sizes etched on blades: G-0015; G-002; G-004; G-006; G-008; G-013; G-015; G-018; G-024; G-025; G-032; G-035.

NET PRICE, each.....\$.20

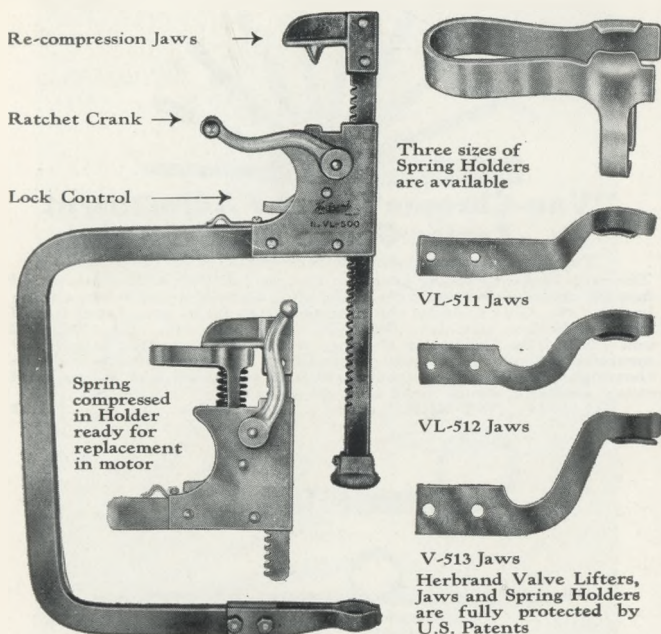


Feeler Gauge Strip Stock

Ten-foot Rolls in Slotted Metal Boxes

Genuine imported Swedish Steel of guaranteed accuracy. Blade thicknesses are plainly etched with foot markings to facilitate dispensing any required length. The slotted metal boxes are supplied gratis.

No.	Size	Price Per Ft.	No.	Size	Price Per Ft.
GS-0015	.0015	.33	GS-007	.007	.18
GS-002	.002	.25	GS-008	.008	.18
GS-003	.003	.22	GS-009	.009	.18
GS-004	.004	.18	GS-010	.010	.18
GS-005	.005	.18	GS-012	.012	.18
GS-006	.006	.18	GS-013	.013	.18



VALVE SPRING LIFTER AND COMPRESSOR NO. VL-500

Fits More than 90% of All Cars and Trucks

With Distinctive Re-compression Feature

More different cars are serviced with this unparalleled, ratchet action, automatic locking Valve Tool than any other type manufactured. The positive, vertical lift and the patented jaws make it impossible for them to slip off the spring. Exceptionally thin, hardened and tempered jaws take any size spring or washer, and insert readily above the washer where other types fail to function.

A special ratcheting device is built into the crank handle for clearance of obstructions, and the automatic lock positively holds the spring at any desired position, leaving the hands free to remove the valve keepers.

The action of the tool employs the rack and pinion principle, and no adjustments are required either on the top or bottom. Designed to clear the manifold and other obstructions without necessitating their removal.

Another outstanding feature of this Valve Lifter is the top jaw construction, making it quick and easy to re-compress springs for replacement in the motor. Equipped with No. VL-513 special offset jaws, it is the only tool handling Chrysler and Waukesha motors without removing manifold.

NO. VL-500, complete with Straight Jaws and set of three Spring Holders. Satin finish. Size inside of frame $9\frac{3}{8}" \times 11\frac{3}{8}"$. Weight 5 lbs. 7 ozs. NET PRICE, each.....\$8.60

VALVE SPRING LIFTER NO. VL-501

Without Re-compression Jaws

An efficient tool with the same features as VL-500 described and illustrated, but without the re-compression jaws. Weight 5 lbs.

NET PRICE, complete with Straight Jaws.....\$6.30

Extra Interchangeable Jaws

NO. VL-510, Straight Jaws for most cars, also Cadillac and Lincoln... \$1.25

NO. VL-511, Offset Jaws for G.M.C. and all Continental Motors... 1.25

NO. VL-512, Offset Jaws for motors requiring extra offset, Dodge 6 1.55

NO. VL-513, for Chrysler, Dodge, Plymouth and Waukesha Motors. 1.55

Spring Holders for Holding Re-compressed Springs

NO. VL-521-S, Bent Spring Holder, short.....\$.65

NO. VL-521-L, Bent Holder, long..... .65

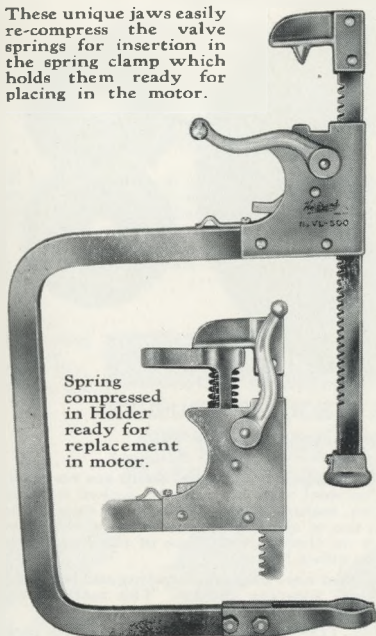
NO. VL-522, Unbent Spring Holder..... .65

NO. VL-520, Set of 3 Spring Holders, 2 bent and 1 blank, complete... 1.55

Attachment and Jaws for Airflow Motors

NO. VL-514, Special L Attachment and Spring Jaws for Airflow Motors..... 1.95

These unique jaws easily re-compress the valve springs for insertion in the spring clamp which holds them ready for placing in the motor.



Spring compressed in Holder ready for replacement in motor.

HEAVY DUTY VALVE LIFTER AND COMPRESSOR NO. VL-503

For Large Trucks, Buses and Tractors

With Re-compression Feature

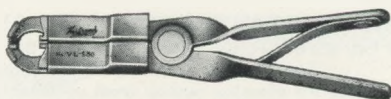
Motors on heavy trucks, buses and tractors require a larger capacity and heavier, more powerful Valve Spring Lifter and Compressor. VL-503 has the same labor-saving features as the standard type described on the preceding page, but is more ruggedly built, with a bigger frame and the extra power for those tough, heavy duty jobs. The C-frame design will handle the toughest spring compression work without removing the manifold or other interfering parts.

The convenience of the ratchet handle is readily understood by the mechanic who has encountered difficulties with ordinary lifters. There is a great economy of time, because the rack and pinion drive locks automatically at the most practical position for the work and leaves the hands of the mechanic free to remove and catch lock washers. No adjustments are necessary either to the top or bottom.

Every mechanic needs the Herbrand Heavy Duty Valve Spring Lifter and Compressor to save time and efficiently handle the ever-increasing service demands on large motors. It not only pays for itself on a few jobs, but will return large dividends in a short period of time. The one-piece C-frame is ruggedly constructed of heavy gauge steel, and the entire tool is finished in rustproof satin.

NO. VL-503, complete with Straight Jaws and set of three Spring Holders. Size inside of frame 11" x 13". Weight 7 lbs. 8 ozs.

NET PRICE, each.....\$11.60



VALVE KEY REPLACER NO. VL-530

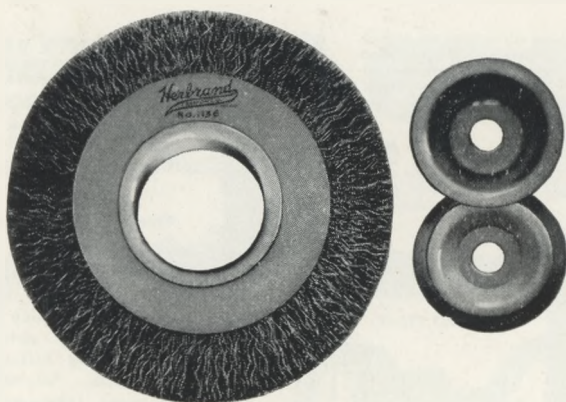
For All Size Valve Keys

Easy Loading Feature

Holds and replaces all valve keys and horse-shoe locks, regardless of size and shape. The compact steel jaws put the keys into locking position in the tightest places. Ample spring tension and firm sealing eliminate any possibility of locks becoming dislodged and dropping into the crankcase before reaching or being placed in proper position on the valve stem. The plier action perfectly controls the placing of valve keys under all working conditions. To load, draw back the sliding bars and insert split lock or key in the stationary jaws, release the bars against the split lock.

NO. VL-530, length 5½". Weight 2 ozs. Satin finish.

NET PRICE, each.....\$1.35



STEEL WIRE CIRCULAR BRUSHES

For Roughing, Cleaning and Buffing

Heavy Duty Construction—Perfectly Balanced

Constructed of a special tough, crimped, steel wire; there are no better quality brushes available. The steel wire sections are locked into the metal hub parts under pressure, making a complete master unit. This hub construction permits the use of the greatest amount of wire, and creates an exceptional density on the working face of the brush that will wear evenly down to the arbor.

The extra quality crimped steel wire prevents bending and breaking, assuring longer life and unusual wearing ability. The metal-bound construction eliminates the danger of flying grit.

Available in two sizes: No. 1136 four-inch and No. 1137 six-inch. Each wheel has a standard 2" opening, and adaptors illustrated, with $\frac{1}{8}$ " arbor hole, are supplied as regular equipment. They are interchangeable with any size adaptor to fit any shaft.

NO. 1136, 4" diameter, thickness $\frac{3}{8}$ "; complete with arbor.

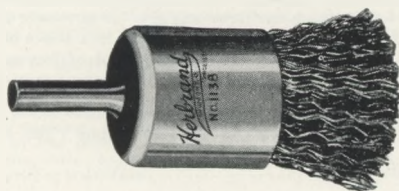
NET PRICE, each\$2.15

NO. 1137, 6" diameter, thickness $1\frac{1}{8}$ ", complete with arbor.

NET PRICE, each.....\$3.05

NO. 1137-A, 8" diameter, complete with $\frac{1}{4}$ " or $\frac{5}{8}$ " arbor.

NET PRICE, each.....\$4.60



CARBON CLEANING BRUSH NO. 1138

For Use with Portable Tools and Flexible Shafts

Metal-bound Construction

Designed particularly for cleaning carbon from cylinder heads, blocks, valve parts, recesses, combustion chambers and for general cleaning around the motor or car body.

The heavy, first quality, crimped wire is firmly secured in the metal cup, giving the brush extra long life and unusual wearing qualities.

NO. 1138, diameter of shank $\frac{1}{4}$ ", length of brush 1".

NET PRICE, each.....\$1.30



"VAN-CHROME" CARBON SCRAPER NO. 345

Forged from Chrome Tungsten Tool Steel

Designed to reach and get all of the carbon in every part of any motor head, this popular spoon-type carbon scraper is the most versatile of any produced. It has sharp, knife-like edges, one straight, the other oval.

Satin nickel with polished blades. Length 9". Weight 4 ozs.

NET PRICE, each.....\$.90

Valve Guide Hole Wire Cleaning Brushes

Tempered Wire—Spiral Construction
Cuts Carbon Without Damage to Parts



Well built brushes of spiral construction for thorough action. Made from high quality special analysis tempered steel wire which is securely woven into the braided wire shank. Thoroughly cleans and polishes valve guides. Large, convenient grip handle.

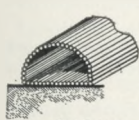
Available in 3 popular sizes: No. 1139A, $\frac{5}{16}$ " ; No. 1139B, $\frac{3}{8}$ " ; No. 1139C, $1\frac{1}{2}$ ". Length 10".
NET PRICE, each.....\$.70

For
Removing
Rust,
Road Tar,
Carbon, etc.

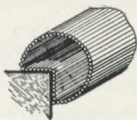


Fits Any
Contour or
Irregular
Shape

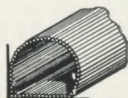
All Purpose Flexible Metal Scraper No. 347



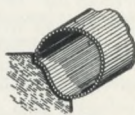
Flat Surface



Over a corner



Inside a corner



Any Shape

The sketches above show how this scraper of 1000 uses conforms to the shape of any surface to be cleaned. It is not only invaluable in the automotive trade for cleaning carbon, spring leaves, tire rims, motors, bodies and fenders, but is equally valuable in all other industries for cleaning pipe, fittings, threads, solder joints, electrical motors, stripping stranded wires, cleaning paint from corners, removing rust from metal surfaces and general cleaning work too numerous to list.

This Flexible Metal Scraper is constructed from the highest quality, oil tempered, spring steel wire with comfortable, strong tubular hand grip. An oil pad in the handle keeps the wires free from rust, in perfect condition, and assures uniform flexibility.

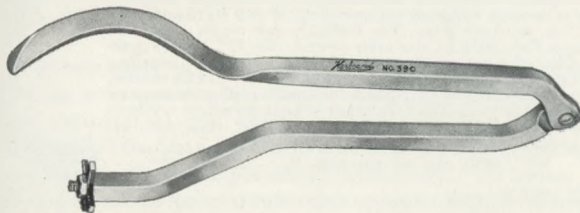
The scraper can be resharpened on an emery wheel in a few seconds, by placing a plug inside the wires and a rubber band around the outside.

Always hold scraper at 30° angle and press only hard enough for wires to take shape of surface to be cleaned.

For removing caked carbon, hold tool at 30° angle and strike toward you, which will loosen any carbon, then smooth by holding at same angle and pushing away from you. For aluminum heads pull toward you at 30° angle; for general cleaning push forward.

NO. 347, length $7\frac{1}{2}$ ".

NET PRICE, each.....\$1.35



Universal Ring Groove Cleaner No. 390

Adjustable to Four Groove Sizes

Insures Perfect Ring Functioning and Avoids Injury to Pistons

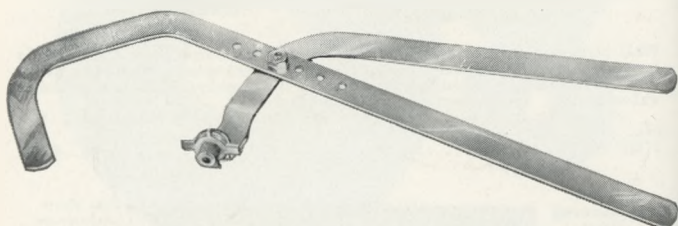
The hardest carbon deposit yields readily to a few simple revolutions of the tool without injuring piston walls or ring grooves. It does a perfect cleaning job, because the rotor or scraping wheel is adjustable to fit all the popular sizes of ring grooves. A turn of the lock nut revolves the cutter to any desired size and exactly fits the grooves without binding. The opposite arm of the cleaner is shaped to engage the grooves. The cleaner wheel is so accurately fitted that it will not round off the edges of the grooves, insuring perfect-fitting rings and avoiding lost compression, poor ring functioning and other disorders. Handles are formed for firm pressure, and the entire tool is finished in satin nickel.

Size of cutter blades, $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ " and $\frac{3}{4}$ ". Length $10\frac{1}{4}$ ". Wt. 12 ozs.

NET PRICE, complete tool, each.....\$1.40

NET PRICE, extra cutter wheel, each..... .35

HERBRAND TRACTOR TOOLS



Tractor Ring Groove Cleaner No. 390T

Adjustable for All Popular Trucks and Tractors

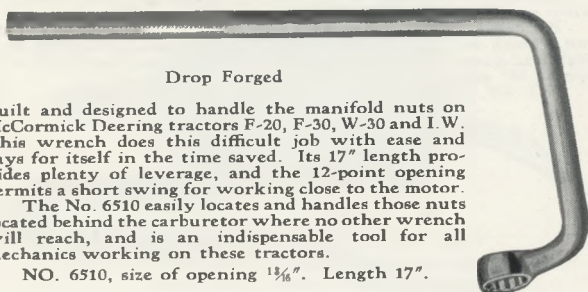
This specially designed ring groove cleaner has a range capacity of from 3" to 6 $\frac{3}{4}$ ", making it adaptable for use on all popular makes of trucks, tractors, etc.

Six adjusting holes give it a wide range of capacity, and the revolving cutter blade carries the correct size of cutter to fit all popular widths of ring grooves and do a perfect job.

Size of cutter blade, $\frac{1}{8}$ ", $\frac{3}{16}$ ", $\frac{1}{4}$ " and $\frac{5}{16}$ ".

NO. 390T. NET PRICE, complete.....\$4.10

McCormick Deering Manifold Wrench No. 6510



Drop Forged

Built and designed to handle the manifold nuts on McCormick Deering tractors F-20, F-30, W-30 and I.W. This wrench does this difficult job with ease and pays for itself in the time saved. Its 17" length provides plenty of leverage, and the 12-point opening permits a short swing for working close to the motor.

The No. 6510 easily locates and handles those nuts located behind the carburetor where no other wrench will reach, and is an indispensable tool for all mechanics working on these tractors.

NO. 6510, size of opening $1\frac{1}{8}$ ". Length 17".

NET PRICE, each.....\$2.60

McCormick Deering Manifold Wrench No. 6520

Similar to the No. 6510, but with double-end, $\frac{1}{8}$ ", 12-point opening, specially designed to easily handle manifold nuts on McCormick Deering tractor models WA, WK, DA-40 and PK-40.

NO. 6520, length 12".

NET PRICE, each.....\$2.25

New Streamlined

Body and Fender Tools

For Modern Application

Matched—Balanced—Distinctive—Original

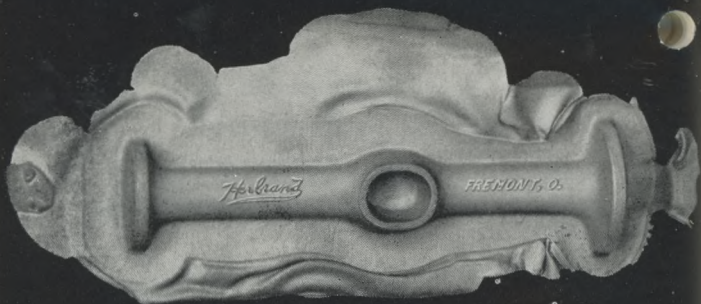
Forged from Chrome Alloy Steel—No Castings

Car dealers and garage men recognize the importance of using only the finest tools, of extremely careful and accurate construction and ultra modern design, for body and fender work on today's cars. In the past, little attention has been paid to the needs of the repair shop and garage man regarding adequate body and fender equipment. Most tools were designed for the car manufacturer, who usually works on unfinished metal and does not have to contend with the intricate repairing of smashed bodies and crumpled fenders. The repair man must contend with this condition and turn out finished work equal in quality with a new factory job.

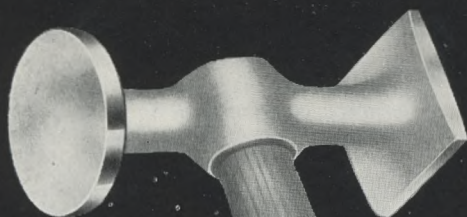
To achieve the correct design and to fit the new streamlined bodies and fenders, special and extensive surveys were made by Herbrand, using the experience of specialists and expert mechanics. Originally designed by Chas. T. Opperman, whose creative genius, fortified by fifteen years' concentrated experience in the needs of the craft, produced this new line which is the standard of excellence and stands pre-eminent in the body and fender repair field. For that reason the "Van-Chrome" line of Body and Fender Tools offers the only correct Body Bumping and Fender repair equipment to speed up work and produce it on a profitable basis.

Every tool is drop forged or hand forged and no castings whatsoever are used. They are precision made from exact dies, and every working surface is given a mirror-like finishing smoothness that results from seven grinding, buffing and polishing operations. Extreme care has been taken to provide the correct shape, contour, balance, weight and leverage so mechanics can readily select the right tool for any specific condition.

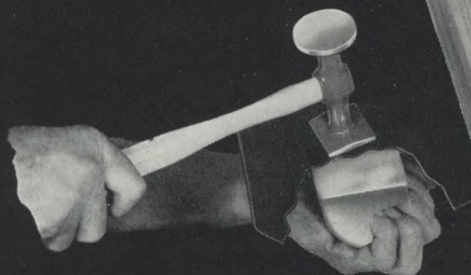
Shops may be filled with equipment and yet be at a loss to handle this profitable body and fender work with inadequate and outmoded tools. The Herbrand line is entirely original and includes every required tool to fit the angles, curves, contours, for every conceivable condition and for efficient work in the most hard-to-get-at places so prevalent in the new streamlined body and fender designs. These tools are guaranteed to be mechanically fitted for their specific use.



Drop Forging of Hammer Head
Before Flashing is Trimmed Off.



No. BF-2



New BF-2 Shrinking and Bumping Hammer in use with
BF-52 Anvil Block.

"Van-Chrome" Body and Fender Hammers

Perfectly Balanced—Precision Polished—
Flat Machined Faces

Drop Forged from Chrome Alloy Steel

The ten specially designed, Matched Bumping Hammers in this streamlined set give the body worker a complete range for every conceivable type of body and fender work. Each hammer has two different heads and faces, doubling their utility. "Van-Chrome" Hammers differ from the conventional type because they are original in design, with heads perfectly balanced from the eye of the handle. The weights are carefully calculated, and the flat faces are precision ground and highly polished to an unblemished smoothness to bring out the exact shape that the job requires. The smooth, mirror-like finish on the flat faces of "Van-Chrome" Hammers is not merely for appearance, but is highly essential to avoid damage, stretching of metal and for perfect workmanship. Individually drop forged from a special analysis of Chrome Alloy Steel, double normalized to relieve all forging strains, scientifically heat treated for toughness, strength and extreme resistance to constant shock. Special attention is given to the hardening of the faces to bring them up to the proper standard of perfection so important to the body worker, because it definitely avoids distortion, nicks, scratches and dents. Symmetrical shanks of minimum thickness provide maximum clearance.

The handles are first grade, second growth white hickory with hand-shaped octagon grip, eliminating the tense "strangle hold" so detrimental to perfect control and accuracy. The octagon shape of these handles provides a firm, easy grip, even though hands are sweaty and greasy. Hammer heads are permanently held on the handles by a patented, corrugated, drop forged wedge. Highly polished, perfectly smooth flat faces, blue enamel bodies. Fully guaranteed.

BF-2 METAL SHRINKING AND BUMPING HAMMER

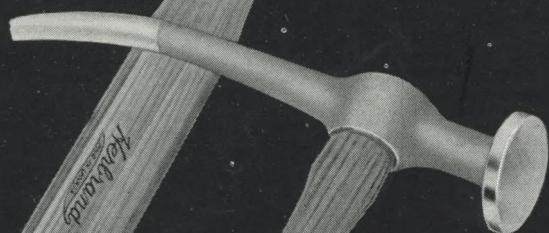
Extra Wide Round and Square Faces

A New Hammer with extra wide faces which is very essential for shrinking metal when heat is applied. This latest in shrinking hammers also makes an ideal bumping and finishing hammer. Both faces are perfectly flat, eliminating the hazard of stretching soft metal. An innovation in hammers which is absolutely necessary to complete the assortment required for efficient and profitable body and fender repairs.

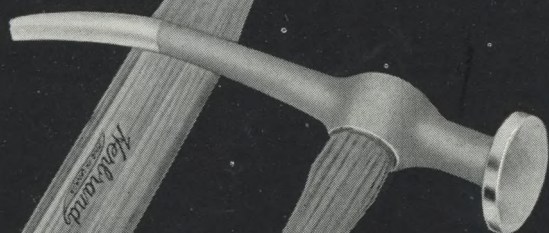
Diameter of round face $1\frac{7}{8}$ ", square face $1\frac{5}{8}$ ". Head $4\frac{1}{4}$ " overall. Clearance from handle to faces $1\frac{3}{4}$ ". Length 12". Weight 1 lb.

NET PRICE, each.....\$2.50

No. BF-6



No. BF-7



No. BF-10



"Van-Chrome" Body and Fender Hammers

Perfectly Balanced—Tough,
Machined Flat Faces

Drop Forged from Chrome Alloy Steel

Three prominent members of the Streamlined Bumping Hammer Family that represent the ultimate in perfection and toughness. The complete assortment of hammers in this series is required to cover the wide variety of jobs encountered. Each hammer will perform its particular function with ease and the certainty that it will deliver perfect workmanship. Fully guaranteed against breakage.

NO BF-6 LONG STRAIGHT ROOF ANL FINISHING HAMMER

Combination Cross Pein and Flat Face

A newly designed hammer with a long, straight chisel-nose shank for raising low spots in difficult places on all steel tops. Also very efficient for work on doors, trunks and under cowl.

Highly polished, perfectly smooth face and straight, long, chisel-nose shank. Diameter face $1\frac{9}{16}$ ". Head overall $7\frac{1}{8}$ ". Clearance from handle to chisel-nose $5\frac{1}{4}$ "; from handle to face $1\frac{3}{8}$ ". Length 12". Weight 14 ozs.

NET PRICE, each.....\$2.75

NO. BF-7 LONG CURVED ROOF RAIL HAMMER

Combination Curved Cross Pein and Flat Face

The long curved chisel-nose shank is ideal for working under roof rails and for raising low spots in difficult places like all-metal tops, deep skirted fenders, cowls, fender wells, etc.

Highly polished, perfectly flat, smooth face and curved shank with chisel-nose. Diameter of face $1\frac{5}{8}$ ". Head overall $7\frac{3}{8}$ ". Clearance from handle to face $1\frac{3}{8}$ "; from handle to end of shank $4\frac{3}{4}$ ". Length 11". Weight 14 ozs.

NET PRICE, each.....\$2.75

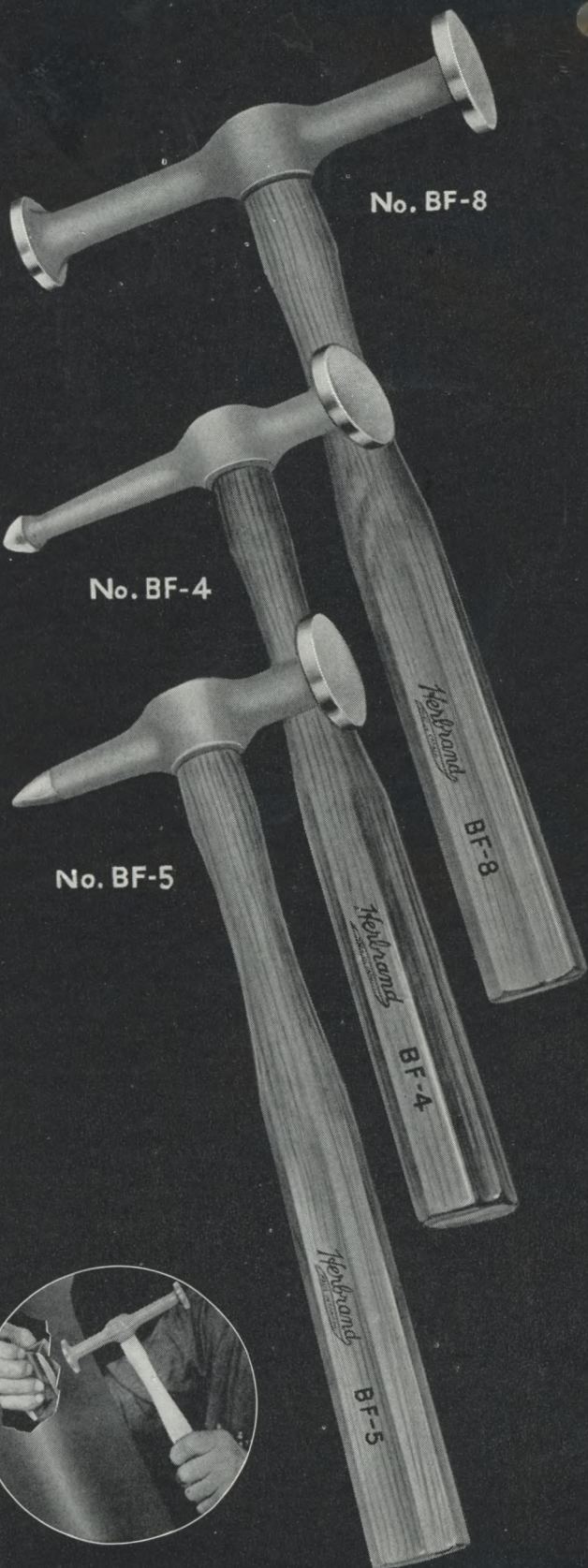
NO. BF-10 FLAT NOSE ROOF RAIL AND FINISHING HAMMER

Combination $\frac{3}{4}$ " Curved Cross Pein and Flat Face

Curved shank Inside Moulding Hammer especially adapted to raising roof rails and working inside all mouldings and rolled-under fenders.

Highly polished, perfectly smooth, flat face and curved shank. Diameter face $1\frac{3}{8}$ ". Head overall $6\frac{1}{4}$ ". Clearance from handle to face $1\frac{9}{16}$ "; from handle to end of shank $3\frac{3}{4}$ ". Length 12". Weight 14 ozs.

NET PRICE, each.....\$2.50



No. BF-8

No. BF-4

No. BF-5

Holland

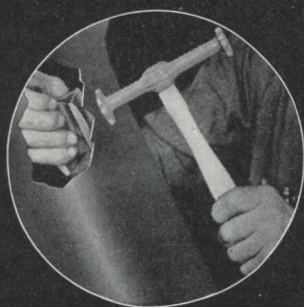
BF-8

Holland

BF-4

Holland

BF-5



"Van-Chrome" Body and Fender Hammers

Perfectly Balanced—
Tough, Highly Polished Flat Faces

Drop Forged from Chrome Alloy Steel

Specifically designed for modern application to damaged metal in fenders and bodies, they definitely obsolete the outmoded, inefficient hammers generally used. Often-times costly damage is created by ill-directed strokes, uneven faces and wrong contours. "Van-Chrome" Hammers are styled for the highest degree of efficiency and accuracy on present-day cars.

NO. BF-8 BALANCED DING HAMMER

Combination Large and Small Round Faces

This is the only perfectly balanced Double End Ding Hammer made with two round heads and large and small flat faces. It will hit a solid flat blow in a great many places where it is impossible to reach with any other shape hammer. From the center of the handle eye, both ends weigh exactly the same.

Double faces, diameters $1\frac{1}{4}"$ and $1\frac{3}{8}"$. Head overall $6\frac{1}{8}"$. Clearance small face to handle $2\frac{1}{8}"$; large face to handle $2\frac{1}{16}"$. Length 12". Weight 1 lb. 6 ozs.

NET PRICE, each.....\$2.50

NO. BF-4 LONG LOW SPOT PICK HAMMER

Combination Acorn-shaped Pick and Flat Face

A Double End Hammer with a very essential pick punch used to bump out small low spots while filing metal. Will pay for itself with the amount of solder saved. The pick point is specially designed to penetrate soundproofing material extensively used on tops, bodies and doors.

Diameter flat face $1\frac{5}{8}"$. Head overall 6". Clearance from face to handle $1\frac{5}{8}"$; from handle to pick $3\frac{5}{8}"$. Length 12". Weight 13 ozs.

NET PRICE, each.....\$2.50

NO. BF-5 SHORT LOW SPOT PICK HAMMER

Combination Point Pick and Flat Face

The extra sharp point is exceptionally handy for bumping out very small low spots and is used mostly when working under fenders. It is perfectly balanced, and the flat face of the opposite end also makes it an ideal finishing hammer.

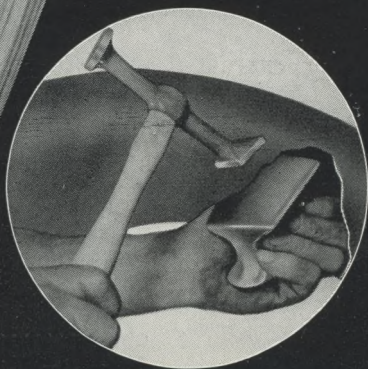
Diameter face $1\frac{5}{8}"$. Head overall $4\frac{7}{8}"$. Clearance from face to handle $1\frac{5}{8}"$; from point to handle $2\frac{5}{8}"$. Length 12". Weight 12 ozs.

NET PRICE, each.....\$2.50

No. BF-1

No. BF-3

No. BF-9



"Van-Chrome" Body and Fender Hammers

Perfectly Balanced—
Tough, Machined Flat Faces

Drop Forged from Chrome Alloy Steel

There is no such thing as having too many hammers, because each "Van-Chrome" is originally designed for a specific purpose and to produce perfect results with the utmost facility. Time was when mechanics could "get by" with ancient, conventional hammers, but the new streamlined body and fender designs demand the Ultra Modern Herbrand Matched Hammers.

NO. BF-1 BALL END HAMMER

Combination Long Shank—Ball End and Flat Face

A Dual-use Hammer combining a perfect ball end for raising large low spots, and a flat finishing face. Very handy in window corners. Perfectly balanced and expertly finished.

Highly polished smooth flat face and ball. Diameter face $1\frac{5}{8}$ ". Head overall 6". Clearance from handle to ball $3\frac{5}{8}$ "; from handle to face $1\frac{5}{16}$ ". Length 12". Weight 14 ozs.

NET PRICE, each.....\$2.50

NO. BF-3 CROSS PEIN AND FINISHING HAMMER

Combination Chisel-Nose and Flat Face

Necessary for finishing in close places, sharp corners, panel beading, fender beading, around mouldings and for caulking. An ideal ding and finishing hammer with a flat face on one end and a wide nose cross pein on the other.

Highly polished face and pein. Diameter face $1\frac{5}{8}$ ". Head overall $5\frac{1}{8}$ ". Clearance from handle to pein $2\frac{3}{4}$ "; from handle to face $1\frac{5}{8}$ ". Length 12". Weight 12 ozs.

NET PRICE, each.....\$2.50

NO. BF-9 OFFSET MOULDING HAMMER

Offset Special Angle, Round and Square Faces

One of the most useful hammers ever designed, because it works close to the body without striking it. Also saves much time working under headlights without removing them. Will hit a solid flat blow in a great many places inaccessible with the average straight-faced hammer.

Highly polished perfectly smooth flat faces. Diameter of round face $1\frac{3}{8}$ "; square face $1\frac{3}{16}$ ". Head overall $6\frac{1}{4}$ ". Clearance from handle to faces $2\frac{1}{2}$ ". Length 12". Weight 14 ozs.

NET PRICE, each.....\$2.50



No. BF-34



No. BF-31



No. BF-33

"Van-Chrome" Body and Fender Spoons

Rigid—Long Reach—Necessary Contours

Hand Forged from Chrome Alloy Steel

They enlarge the scope of body and fender repair work, provide an extra reach, have every conceivable contour and ding out dents inaccessible to dolly blocks. Extremely essential for bending and prying operations, and the wide, flat faces will not cause damage. Heavy, rigid construction, combined with hand-forged quality and scientific heat treatment, insures maximum leverage and continued service. The working surfaces present an unblemished smoothness acquired from seven grinding, polishing and buffing operations.

NO. BF-31 INSIDE PRY AND SURFACING SPOON

For Prying and Bumping Operations

Where a Driving Spoon is necessary in limited spaces, this short-handled tool will be found invaluable. Also works efficiently as a pry spoon behind braces and edges of panels.

Length 14". Weight 2¼ lbs.

NET PRICE, each.....\$3.00

NO. BF-34 PRY AND BUMPING SPOON

Combination Long Leverage Bar and Anvil Face

A Double End, Heavy Duty, General Purpose Door and Body Pry Spoon with wide, slightly crowned faces. The blades are ingeniously angled to produce the proper leverage in every conceivable position. Essential for prying and bumping on all-metal doors, cowls, aprons, fenders and working back of inner structures.

Length 22". Weight 4 lbs. 2 ozs.

NET PRICE, each.....\$5.50

NO. BF-33 GENERAL PURPOSE SPOON

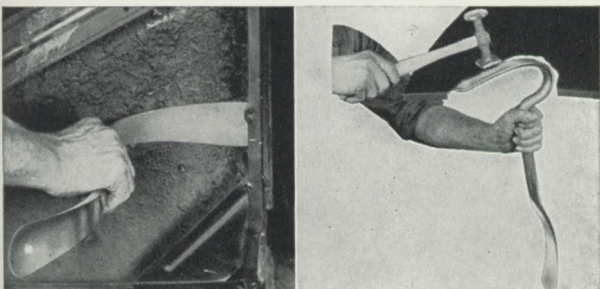
Two Anvil Faces with Unusual Contours

An Ideal Drive Spoon with extra wide oval faces shaped to fit the contour of most parts of the body. Exceptionally useful for driving out drip moulding, deck panels, beading and headlight work. Very efficient behind steel braces, for cowl work and for prying.

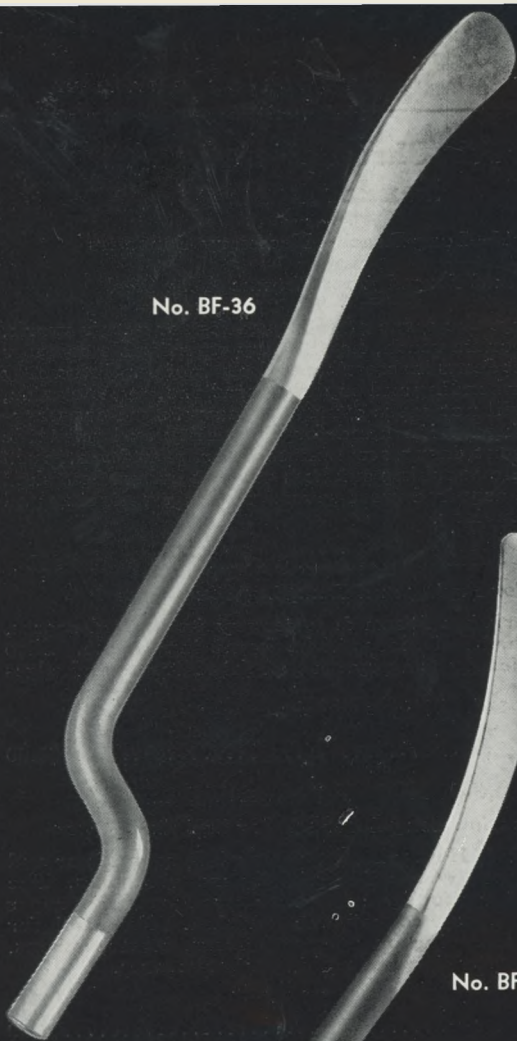
Length 15". Weight 2 lbs. 9 ozs.

NET PRICE, each.....\$4.35

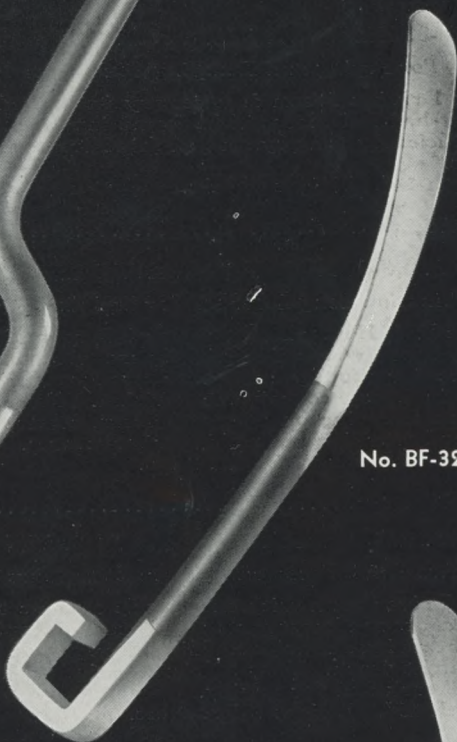
FOR ADDITIONAL SPOONS SEE PAGE 144



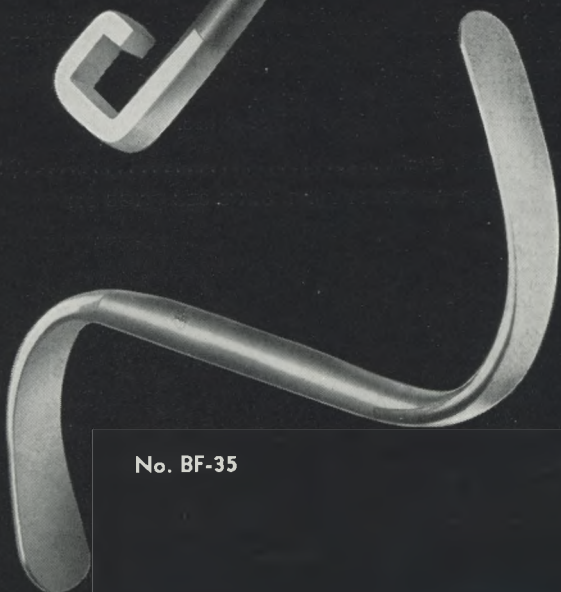
No. BF-36



No. BF-32



No. BF-35



"Van-Chrome" Body and Fender Spoons

Long Reach—Necessary Contours—Tough

Hand Forged from Chrome Alloy Steel

The toughest job on streamlined bodies and skirted fenders becomes routine with these Master Tools. They incorporate the latest engineering principles, the finest materials and the most skilled craftsmanship. Every spoon in this line is hand forged from a select grade of Chrome Alloy Steel. Herbrand blue lacquer on the bodies, and the extra fine, highly polished faces of these tools, identify these modern spoons.

NO. BF-36 INSIDE DOOR, PRY AND DRIVE SPOON

Long Leverage—Offset Handle

Unequalled for driving and prying out door panels, especially around the edges, without removing the inner structure. Practical for use inside of trunks. The extra heavy construction is designed for driving with a heavy sledge hammer. Offset for clearance in tough spots.

Offset 4". Length 21". Weight 4 lbs.

NET PRICE, each.....\$5.20

NO. BF-32 FENDER BEAD AND FLANGE TOOL

A Combination Flange Tool and Spoon

The hook end is for running board work and to straighten the turned-under bead on fenders. The spoon end has a wide anvil face for backing up and is also used to drive out roof rails, drip mouldings, deck panels and for caulking.

Length 16". Weight 2 lbs. 12 ozs.

NET PRICE, each.....\$4.35

NO. BF-35 ROOF RAIL PRY AND BUMPING SPOON

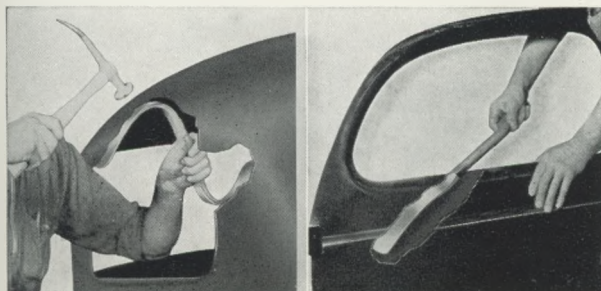
Double End Short Curves for Close Quarters

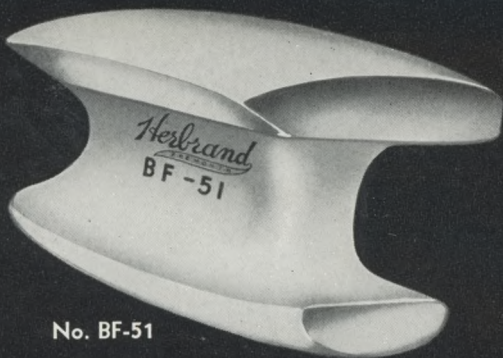
The unusual curves are shaped to fit all-metal tops and roof rails. Sufficiently heavy for use as a backing up dolly. Gets into tight spots and provides ample leverage for prying out metal, eliminating all unnecessary hammering.

Length 14". Weight 3 lbs. 2 ozs.

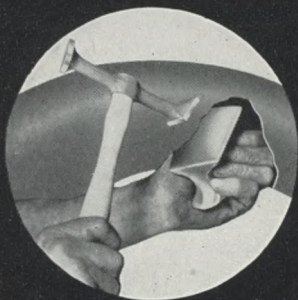
NET PRICE, each.....\$5.20

FOR ADDITIONAL SPOONS SEE PAGE 144

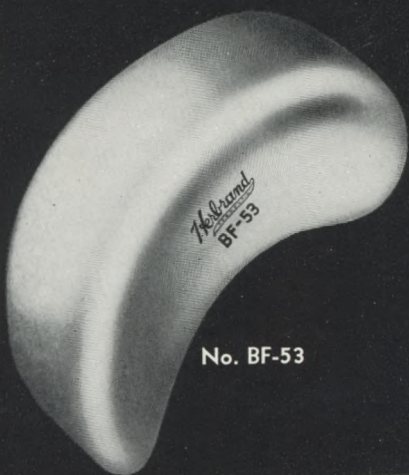




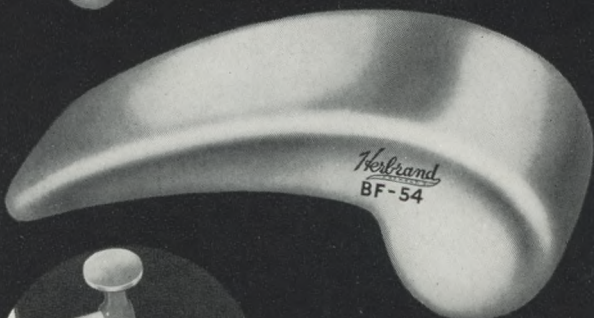
No. BF-51



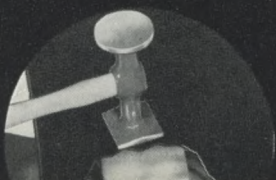
No. BF-52



No. BF-53



No. BF-54



"Van-Chrome" Body and Fender Anvil Blocks

Four Blocks—Obsolete Conventional Dollies

Drop Forged from Chrome Alloy Steel—No Castings

Herbrand did not imitate the old-fashioned conventional dollies, but originated 4 Anvil Blocks of unusual efficiency. In reality these blocks are miniature anvils, very finely finished and ingeniously constructed to produce perfect results. They have safety hand-grips for use under deep skirted fenders, where the long reach does not permit the use of a hammer. The shapes, contours and sizes are just right to fit any of the unusual curves and formations so widely used in streamlined bodies and fenders. Drop forged, heat treated, accurately ground and finished to mirror-like smoothness.

NO. BF-51 GENERAL PURPOSE ANVIL BLOCK

This Distinctive New Herbrand Block is one of the handiest ever developed. The wide, curved faces fit the contours of practically all parts of the body, fenders and doors on today's streamlined cars, and the small oval works perfectly on outside curves where the finishing hammer is used on the inside of the work. It fits the natural grip of the hand and is unusually well adapted to bumping out low spots and dents where the hammer and anvil action cannot be used.

Length 4". Height $2\frac{1}{4}$ ". Width $2\frac{3}{4}$ ". Anvil faces 3" x 3" and $1\frac{7}{8}$ " x 4". Weight 3 lbs.

NET PRICE, each.....\$3.85

NO. BF-52 ANVIL RAISING BLOCK

Made especially for deep skirted fenders and around rolled edges, with a semi-flat surface for shrinking when heat is applied. The hand has plenty of clearance from the hot metal and in close places it may be gripped for a swinging blow without injury to fingers.

Size $2\frac{3}{8}$ " x $2\frac{5}{8}$ " x $2\frac{7}{8}$ ". Weight 3 lbs. 5 ozs.

NET PRICE, each.....\$3.30

NO. BF-53 HIGH CROWN ANVIL BLOCK

For all types of high crown fenders and other bumping operations. The narrow end is used to back up inside of mouldings, while the larger end is used as a raising block. Fits every high crowned contour.

Length $4\frac{1}{2}$ ". Width $2\frac{5}{8}$ ". Height $1\frac{7}{8}$ ". Weight 3 lbs. 14 ozs.

NET PRICE, each.....\$2.75

NO. BF-54 ROOF WEDGE ANVIL BLOCK


The sharp, tapered wedge is for driving out roof rails, behind brackets and is very useful under fender braces. The face is almost flat, making a handy anvil for a wide variety of uses.

Length $5\frac{3}{4}$ ". Width $2\frac{5}{8}$ ". Height $1\frac{3}{4}$ ". Weight 3 lbs. 7 ozs.

NET PRICE, each.....\$2.75



No. BF-81
Fender Bead
Plier

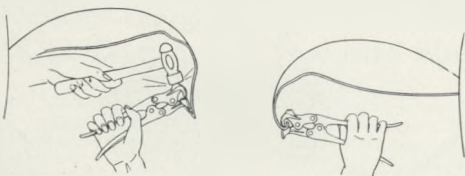


No. BF-80
Drip Moulding
Plier

BF-81 "Van-Chrome" Fender Bead Plier

10 to 1 Leverage—Compound Action

Drop Forged from Chrome Vanadium Steel



Every body worker should have this Forming Plier for perfect edging of damaged fenders. Fenders are made from heavy gauge steel and the fender edging or bead is not readily reshaped. This tool combines the principle of a compound leverage plier and fender dolly. The wedge nose on the lower jaw is used to pull out turned-under beads to insert the mated forming jaws. Forming is readily accomplished by gripping the bead firmly in the plier jaws and employing a rotating motion. The flat spot on top of the jaw can be struck with a hammer to assist in the forming operation. The inside of the jaws are undercut to allow ample clearance for the roll of the fender.

Satin nickel finish. Length 9¼". Weight 18 ozs.

NET PRICE, each.....\$3.65

BF-80 "Van-Chrome" Drip Rail Forming Plier

Compound Action—10 to 1 Power

Drop Forged from Chrome Vanadium Steel



Crushed-in Drip Rails are quite common and present a real repair problem to the body worker, because there has been no adequate tool to perfectly restore them without the expenditure of hours of time and grief. Herbrand's Distinctive Plier develops 10 to 1 power to squeeze out damaged drip rails with an ordinary grip. The lower jaw has a wedge-shaped nose for prying crushed drip rails away from the body to insert the rail forming die of the upper jaw. The forming die of the lower jaw is the correct depth to bring out the exact contour. There is ample undercut on the inside of the upper jaw to clear the beading, and the long sweep on top of the jaw clears the top of the body when shaping the drip rail.

Satin nickel finish. Length 9¼". Weight 18 ozs.

NET PRICE, each.....\$3.30



No. BF-514 file and No BF-614 holder

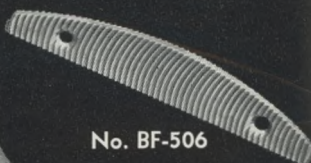


No. BF-712

No. BF-512



No. BF-706



No. BF-506



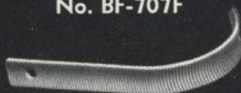
No. BF-507F



No. BF-707F



No. BF-707M



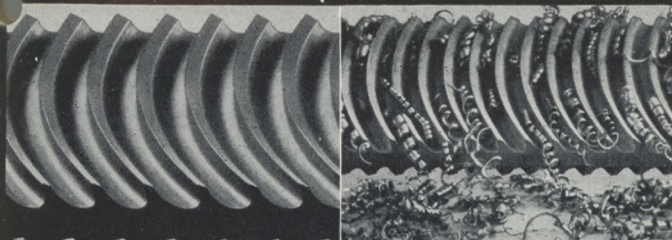
No. BF-507M



No. BF-507S



No. BF-707S



Enlarged views showing the individually milled, U-type, Extra Deep Teeth and how they avoid clogging or loading by producing ribbon-like shavings which spiral off the blades, always maintaining sharp, fast cutting teeth.

"Van-Chrome" Files and Holders

Milled, U-Type, "Shave Cut" Teeth

Self-cleaning—No Packing, Loading or Clogging

Startling developments in these New Super-efficiency Files are based on the milling cutter principle. Each tooth is individually milled with a land, which increases the strength and cutting qualities, and a "U-shaped" groove which provides maximum clearance and produces curled metal shavings, eliminating all packing and loading so common with the conventional V-cut file. "Van-Chrome" Files represent an investment in genuine efficiency and real economy never before available to mechanics. The keen, razor-like teeth speed up any metal planing work, and they are more effective for filing soft metals like solder, lead or aluminum which clog or load ordinary files.

FLAT AND SHAPED FILE HOLDERS

New Holders of vastly improved design that increase the life and usefulness of the files and reduce costs by avoiding breakage and economizing time and labor. These strong, lightweight Wooden Holders give perfect control of the work and are far superior to the adjustable metal type. Special screw anchors at each end make it quick and easy to change file blades.

NO. BF-714 COMBINATION FILE AND HOLDER

This inexpensive General Purpose No. BF-614 File Holder and BF-514 File are the most practical and popular for body, fender and panel repair and general refinishing. It is a perfectly balanced, lightweight Wooden Filing Plane with the strength and life of a steel holder and none of its disadvantages. The curve has just enough bow to accurately control the point of filing and works expertly on any straight, crowned or contoured surface. The flat backed surface protects and cushions the teeth on the reverse side of the files. The large knuckle protecting knob and hand-fit grip handle combine to provide a fast and easy-cutting metal plane action.

NO. BF-714, Combination File and Holder. NET PRICE, complete \$5.25
 NO. BF-514, 14" Fast Cutting File Only. NET PRICE..... 3.25
 NO. BF-614, Holder Only. NET PRICE..... 2.00

NO. BF-712 HALF-CIRCLE CONVEX FILE AND HOLDER

This New Combination will cut, draw or push and replaces four different conventional files. Primarily built to get into concave shapes on fenders, roofs, drip mouldings, beads and any grooved places where flat files won't work

NO. BF-712, File and Holder. NET PRICE, complete..... \$4.20
 NO. BF-612, Holder Only. NET PRICE..... 1.35
 NO. BF-512, Half Circle File Only. NET PRICE..... 2.85

NO. BF-706 RADIUS FILE AND HOLDER

Here is the Combination Revel File and Holder that gets into corners and takes the grief out of very difficult filing. One side has an accurately machined radius to reach window frames against drip mouldings and smooth out small corners and ledges without damage to surrounding surfaces. Will often be found useful on smaller work where larger files do not permit the necessary stroke. This Radius File is 6" long, 1 1/8" wide at the center and 1/2" wide at each end. Teeth are milled on both sides, doubling their life and service.

NO. BF-506, 6" Radius File. NET PRICE..... \$3.10
 NO. BF-606, Holder. NET PRICE..... 1.00

NO. BF-707 F-M & S FILES AND HOLDERS

Three Shaped Files—Flat—Concave—Convex

A Trio of "Shaped" Files that simplify the finishing of window reveals, around windshields, ledges, trim, fender beads, depressed panel edges, lamp ridges, offsets and many delicate contours. The holders are small in size and fashioned to fit the accurately shaped files with flat, concave or convex cutting surfaces.

FILE BLADES			Individual Holders	
BF-507F	7" Flat Revel	\$2.50	BF-607	\$.60
BF-507M	7" Moulding Revel (concave)	2.50	BF-607	.60
BF-507S	7" Shell Revel (convex)	2.50	BF-607	.60

SEE PAGE 141 FOR ADDITIONAL FILES AND HOLDERS



Set No. BF-100



Set No. BF-101



Set No. BF-102

"Van-Chrome" Body and Fender Tool Sets

SET NO. BF-100

Minimum Assortment of 8 Essential Tools

This set contains the minimum requirements of the essential body worker's tools. Includes one each of 3 Perfectly Balanced Hammers, Nos. BF-2, BF-4 and BF-8; 2 Anvil Blocks, Nos. BF-52 and BF-54; General Purpose Spoon BF-33; File Holder BF-614; 14" Flexible File BF-514. Total of 8 pieces. Weight of tools 14 lbs. Weight of specially constructed metal box 17 lbs.

NET PRICE, complete in bulk.....\$22.35
NET PRICE, complete in metal box..... 27.25

SET NO. BF-101

Balanced Assortment of 12 Important Tools

The tools in this careful selection combine to give the craftsman the well-balanced important body and fender equipment required to handle the most frequent jobs encountered daily. Contains one each of 4 Perfectly Balanced Combination Hammers, Nos. BF-2, BF-5, BF-7 and BF-8; 3 Important Anvil Blocks, Nos. BF-51, BF-52 and BF-54; 3 Modern Design Bumping and Pry Spoons, Nos. BF-31, BF-33 and BF-34; File Holder BF-614; 14" Flexible File BF-514. Total of 12 pieces. Weight, tools only, 24 lbs. Weight of special designed metal box 17 lbs.

NET PRICE, complete in bulk.....\$36.75
NET PRICE, complete in metal box..... 41.65

NO. BF-102 MASTER BODY WORKER'S SET

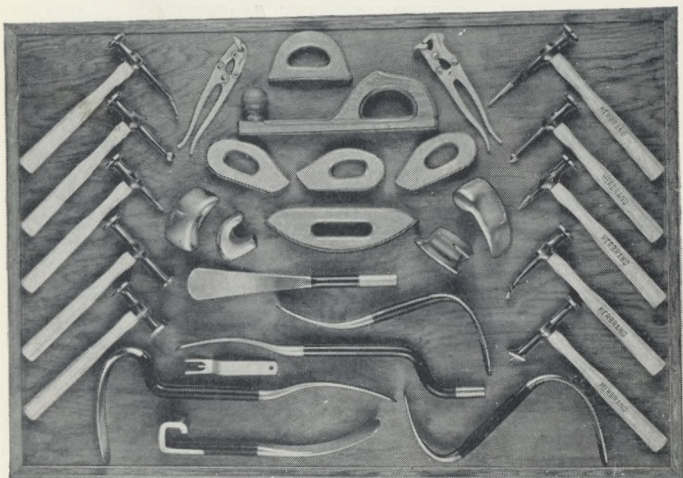
Complete Set of 35 Necessary Matched Body and Fender Tools—Files and Holders

The most complete set of Modern, Matched, Perfectly Balanced Body and Fender Tools that are the correct contour, size, shape and weight to function efficiently for any body and fender service. The master mechanic will find this set a profitable investment, because it will do the most difficult jobs in the repair shop with maximum ease and efficiency.

Contains 10 Perfectly Balanced, Double End Hammers, Nos. BF-1 to BF-10 inclusive; 4 Streamlined Anvil Blocks, Nos. BF-51, BF-52, BF-53 and BF-54; 6 All-purpose Bumping and Pry Spoons, Nos. BF-31 to BF-36 inclusive; Drip Moulding Plier BF-80; Fender Bead Plier BF-81; Escutcheon Plate Tool BF-91; 6 Assorted Files and 6 Holders as listed on pages 128-129. Metal box illustrated is the Magic Chest, available at \$13.13 net price. Total of 35 pieces. Weight 44 lbs.

NET PRICE, complete less metal box.....\$92.05

Herbrand Tools may be purchased through jobbers on the Commercial Credit Company Automotive Equipment Time Payment Plan.



"Van-Chrome" **Master Body Worker's Set BF-135**

A Service Salesman for Repair Shops

Modern body and fender repair work has been awkward, difficult, unsatisfactory and costly because of inadequacy and lack of proper tools to perfectly repair modern streamlined bodies and fenders. The brand new, correctly designed and distinctive Body and Fender Tools displayed on this board represent the most complete and ultimate in perfection to fully satisfy the requirements of the master body workers in today's exacting market. This is a two-purpose board—displayed in the service station it qualifies their body and fender service as the highest type for modern efficiency.

CONTENTS OF ABOVE SET

HAMMERS: 10 Perfectly Balanced Drop Forged Double Head Bumping, Dinging and Finishing Hammers for every conceivable type of work. Nos. BF-1 to 10 inclusive, described on pages 101 to 107.

SPOONS: 6 Hand Forged, Latest Type Pry, Bumping, Driving and General Purpose Spoons. Contoured and shaped for all the unusual curves, angles and awkward places, with plenty of leverage and power for maximum efficiency. Nos. BF-31 to BF-36 inclusive, detailed on pages 109 to 111.

ANVIL DOLLY BLOCKS: 4 Newly Designed, Streamlined, Drop Forged (no castings) Miniature Anvils—very finely finished and highly polished—perfect hand grips for close-quarter work—sized and shaped for the peculiar formations on modern cars. Nos. BF-51, 52, 53 and 54, shown on page 113.

FILES AND HOLDERS: Newly Patented Files, individually milled teeth, designed on the milling cutter principle, no loading, clogging or packing—efficiency and economy never before attained—faster cutting. Strong, lightweight Wooden Holders, shaped and balanced for perfect control of work and elimination of file breakage. Six Holders with File Blades attached: Nos. BF-714, 712, 707F, 707M, 707S, 706. Listed on page 129.

PLIERS: 2 Drop Forged, Compound Action Pliers, described on page 115; Nos. BF-80 Drip Rail and BF-81 Fender Bead Plier. Also BF-91 Escutcheon Plate Tool.

Total of 35 pieces. Size of board 34" x 48". Weight 50 lbs. Board gratis.

NET PRICE, complete.....\$92.05

Herbrand Tools may be purchased through jobbers on the Commercial Credit Company Automotive Equipment Time Payment Plan.

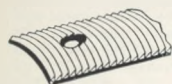
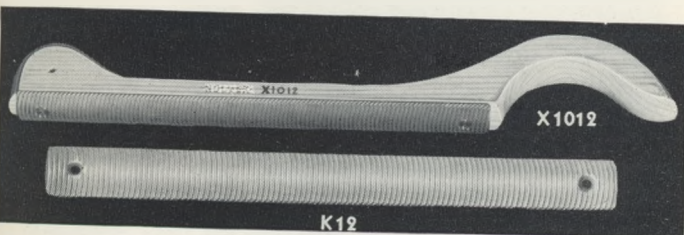
Herbrand File and Holder Sets



Set No. BF-550

A special offer combination, containing the popular General Service File Holder No. BF-614 and 6 No. BF-514 Flexible File Blades 14" long, with 112 individually milled teeth on each side. The File Holder is supplied gratis with this set. Weight 5 lbs.

NET PRICE, complete set.....\$19.40



HALF ROUND (Convex) BODY FILES AND HOLDERS

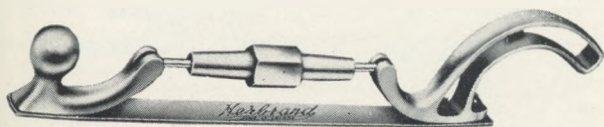
Half Round (convex) Files, to get into concave shapes on fenders, roofs, drip moulding, etc., where flat files won't work. Has teeth on one side only.

NO. K-12, 12" Half Round File, 12" long....NET PRICE, each....\$2.85

NO. X-1012, Shaped Wood Holder for above.NET PRICE, each.... 1.15

NO. K-14, 14" Half Round File, 14" long....NET PRICE, each.... 3.25

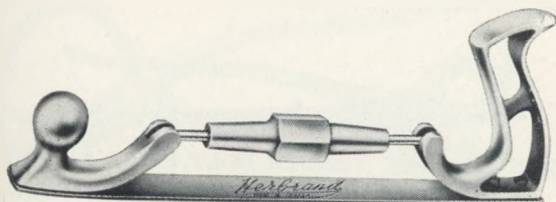
NO. X-912, Shaped Wood Holder for above...NET PRICE, each.... 1.15



MODEL "B" GOOSENECK-GRIP FLEXIBLE FILE HOLDER

Made of pure aluminum, highly polished. The ball end is large enough so that it will not cramp the fingers. The gooseneck-grip holder is well suited for filing the sides of the body and for overhead work, such as roof rails and all-metal tops. Fits both 12" and 14" files.

NO. BF-B File Holder. NET PRICE, each.....\$3.35



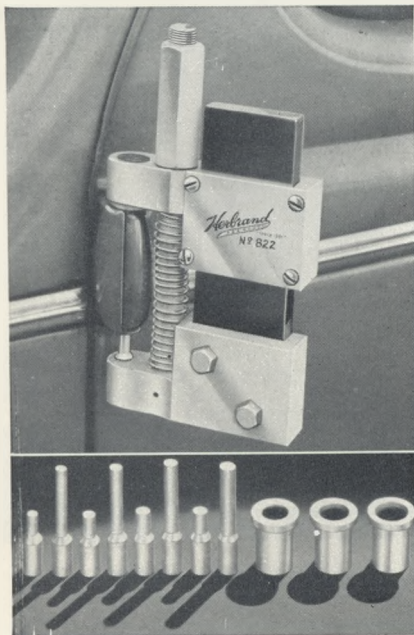
MODEL "A" PLANE-GRIP FLEXIBLE FILE HOLDER

The Model "A" differs from the "B" only in the shape of the grip. The plane-grip is perfectly shaped so as to insure a free and untiring grip at all times. Fits both 12" and 14" files, and is particularly recommended for use on fenders, cowls and trunks.

NO. BF-A File Holder. NET PRICE, each.....\$3.35

No. 822 "Van-Chrome" Door Hinge Pin Pusher

Removes Hinge Pins from Practically All Passenger Cars and Trucks



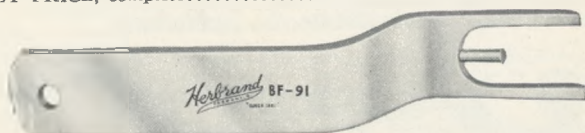
On most cars there is not sufficient clearance to remove hinge pins by the old-fashioned pin punch and hammer method, due to fender obstructions, body bulges and close proximity to running boards. No. 822 Hinge Pin Pusher works on the forcing screw principle and exerts a straight pushing pressure so powerful that stubborn or corroded pins break loose and lift out with ease. The forcing screw sets back, away from the body, so that there is plenty of clearance to revolve the hexagon turn-down nut with any standard wrench. The danger of damaging paint on body and fenders is eliminated.

Four short starter pilots and four long finishing pilots which fit in the base socket are supplied as part of this tool. The short starter pilots should be used to break loose and partially push out the hinge pin; the long finishing pilots are then used to completely drive them out. The

sizes of these pilots are $\frac{11}{64}$ ", $\frac{15}{64}$ ", $\frac{17}{64}$ ", $\frac{19}{64}$ ", to fit all standard hinge pins. Three removable bushings are furnished in three different sizes, $\frac{37}{64}$ ", $\frac{11}{16}$ ", $\frac{13}{16}$ ", to handle the various size hinge pin heads, while the bushing receptacle in the tool itself provides an additional larger opening.

Finished in satin nickel. Capacity $2\frac{1}{4}$ " to $5\frac{1}{2}$ ". Weight 5 lbs.

NET PRICE, complete.....\$9.60



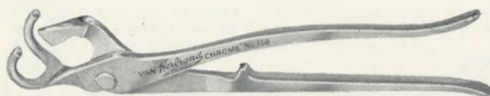
NO. BF-91 DOOR HANDLE FLANGE DEPRESSOR AND PIN PUNCH

Two Tools in One — Chrome Alloy Steel

Mechanics know how awkward it is to depress the door handle flange or escutcheon plate to drive out the handle-retaining pin. This fast operating tool has two prongs for forcing back the escutcheon plate and a pin punch between which drives out the pin in one operation, making it a one-hand tool. Avoids all damage to upholstery and hardware.

Finished in satin nickel. Length 6". Weight 4 ozs.

NET PRICE, each.....\$1.10



"VAN-CHROME" FENDER BOLT PLIER NO. 158

For Holding Bolts on Fenders, Running Boards, etc.

Drop Forged from Chrome Vanadium Steel

To take apart and reassemble fenders and running boards and remove them from frames usually requires two men, because the bolts are rusted and frozen and must be held firmly to turn off the nuts. This special new Herbrand tool holds them in a vise-like grip and makes it a one-man job. The claw end allows ample clearance so that a socket wrench can be used for removing the nuts.

NO. 158, length 11". NET PRICE, each.....\$2.50

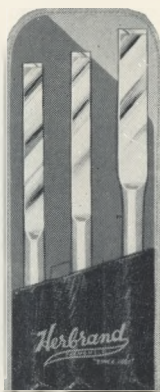


"Van-Chrome" Body Cutting Chisels

Bevelled Cutting Edge for Wood or Steel

Drop Forged from Chrome Alloy Steel

A new combination cutting chisel, with bevelled offset blade so finely tempered that it cuts through wood and shears through metal without destroying the keen edge. Primarily designed for body work, it is a very practical chisel for mechanics, plumbers, carpenters and electricians for cleaning out key ways, shearing off bolts, rivet heads, nails and similar work where the cutting action requires the bevelled type blade. The handle is offset for knuckle clearance.



Cat. No.	Size of Stock	Width of Blade	Length	Net Price Each
425	$\frac{1}{2}$	$\frac{1}{4}$	10	\$.98
426	$\frac{5}{8}$	$\frac{3}{8}$	10	1.12
427	$\frac{3}{4}$	$\frac{3}{4}$	10	1.50

SET NO. C-8, one each of the above.

NET PRICE, in pocket leatherette roll..... \$3.65

See page 89 for Body Workers' Pry Bars.



Panel Cutting Tool No. 496

For Cutting Out Tops, Sides and Other Body Parts

Cuts to a Clean, Straight, Even Edge

As necessary to the body repair man as a can opener is to the housewife, this tool cuts out damaged body sections as clean as a hound's tooth. Entire tops, sides or other parts necessary for body repair are cut out cleanly and evenly, insuring a master job of welding in new panels.

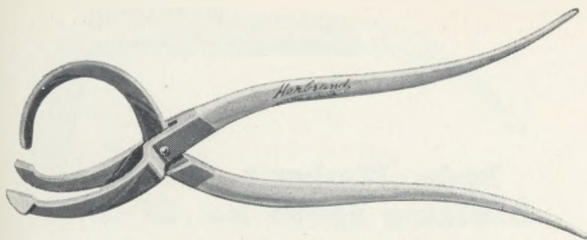
The head is placed at the correct angle for clean, even and efficient cutting and to provide ample knuckle clearance. The tool is designed for perfect visibility under all conditions.

When used for the work intended, the Alloy Steel cutter will deliver long, satisfactory service, but it is not guaranteed.

Cuts through body steel like a knife and is also used to cut sheet metal up to a body metal gauge. With a sharp hammer blow drive the Cutter through the metal at any desired starting point, then it is easily guided in any direction. Made from Octagon Alloy Steel—cutter blades replaced by simply removing 2 fillister head screws. Length $9\frac{1}{4}$ ". Weight 10 ozs. Finished in satin nickel.

NO. 496, Panel Cutting Tool complete. NET PRICE, each...\$1.60

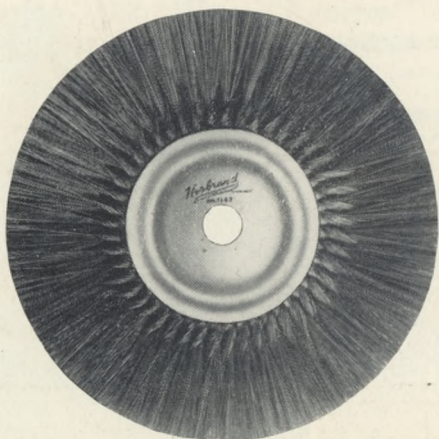
NO. 496B, Replaceable Cutter Blade only. NET PRICE, each. .40



Low Spot Tongs

Designed especially for raising low spots in close places where it is difficult to hit a direct blow with a pick hammer. A valuable tool for working around the edges of fenders, trunks and many other places. Length $13\frac{1}{2}$ ".

NET PRICE, each.....\$2.15



Knot Section Wire Wheel Brush No. 1147

For Removing Paint, Rust, Scale, Solder, etc.

Heavy Duty Construction for Automotive Use

Each knot or tuft of twisted wire in these wheel sections is of uniform size and weight, equally spaced and securely mounted in the one-piece center—no welds or joints to fail under hard usage. This construction assures true balance, absolute safety and efficient operation on high-speed equipment or portable tools. The precise coiling of the select quality, thirty-gauge wire produces an ideal brush for removing old paint, rust and solder from bodies preparatory to painting. Equally efficient for brake drums or shoes, and any other heavy-duty cleaning.

NO. 1147, 6" diameter, $\frac{5}{8}$ " thick. Arbor hole $\frac{1}{2}$ ". Weight 1 lb.
NET PRICE, each.....\$2.40

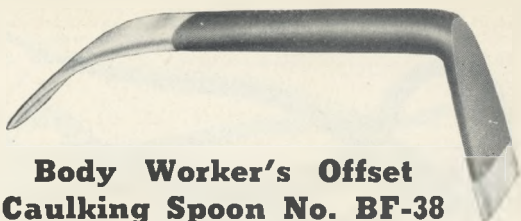


Body Worker's Panelling Spoon No. BF-37

Valuable New Spoon—Extra Thin, Wide Faces

Properly used, this extra thin Double End Spoon eliminates cracking or destroying paint finish when straightening large indentations. The spoon is applied to the painted surface and tapped with the hammer instead of striking the metal itself. These spoons are properly heat treated for normal use, but due to necessary thinness cannot be abused with a heavy hammer.

Length $10\frac{1}{2}$ ". Faces $1\frac{3}{16}$ " x 3" and $2\frac{1}{2}$ " x $3\frac{1}{2}$ ". Weight 7 ozs.
NET PRICE, each.....\$3.50



Body Worker's Offset Caulking Spoon No. BF-38

A Double End Driving Spoon

Either end is equally efficient for driving under brackets and driving out drip moulding and top quarter panels. The offset end has many uses—corners around the door jam and doors, running-boards, edges of fenders, and a multitude of hard-to-reach jobs.

Offset end 4" long, 2" wide. Spoon $2\frac{1}{2}$ " wide. Length 15". Weight 2 lbs. 12 ozs. Two to the box.
NET PRICE, each.....\$4.65



Herbrand

**BROADEST COVERAGE OF MECHANICS'
NEEDS AT EQUITABLE PRICES**



**DISTINCTIVE SPECIAL TOOLS CREATED
TO SAVE TIME, LABOR AND ENERGY**



**QUICK SERVICE FROM DISTRIBUTORS'
STOCKS LOCATED AT ALL STRATEGIC
POINTS**



**BUY WITH CONFIDENCE BECAUSE
HERBRAND TOOLS ARE BACKED BY BOTH
THE MANUFACTURER AND JOBBER**



HERBRAND GUARANTEE

The name Herbrand or "Van-Chrome" on any tool constitutes your unqualified guarantee against defects in both workmanship and materials. This is positive assurance that they will do the job for which they are built, without spreading or breaking. Free replacements will be made on any tools that may prove defective. This guarantee is void if inspection shows that the tools have been abused, ground, heated, subjected to hammering or unreasonable leverage.